

Fig 1

Transmit 201

Receive 202

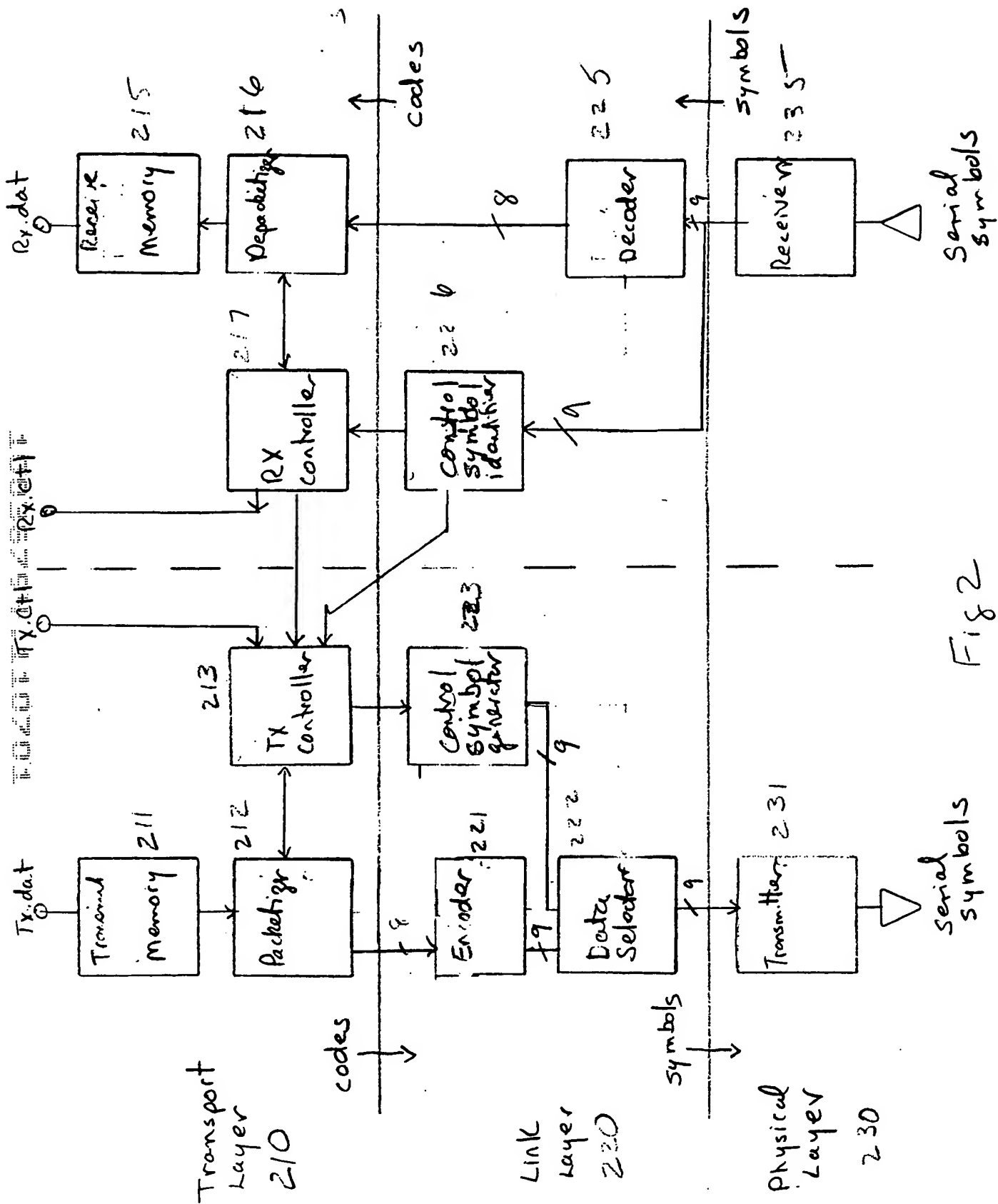


Fig 2

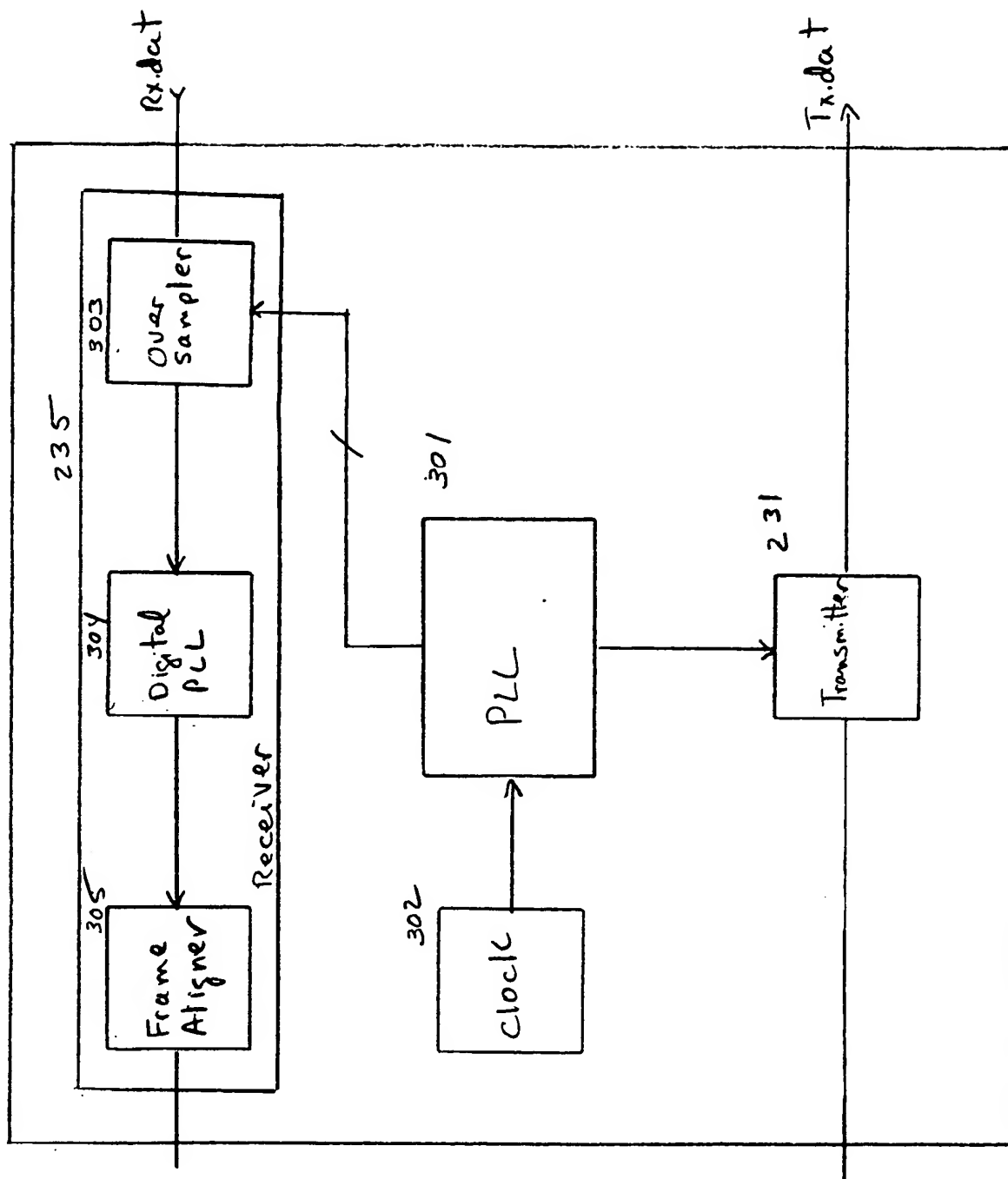


Fig 3

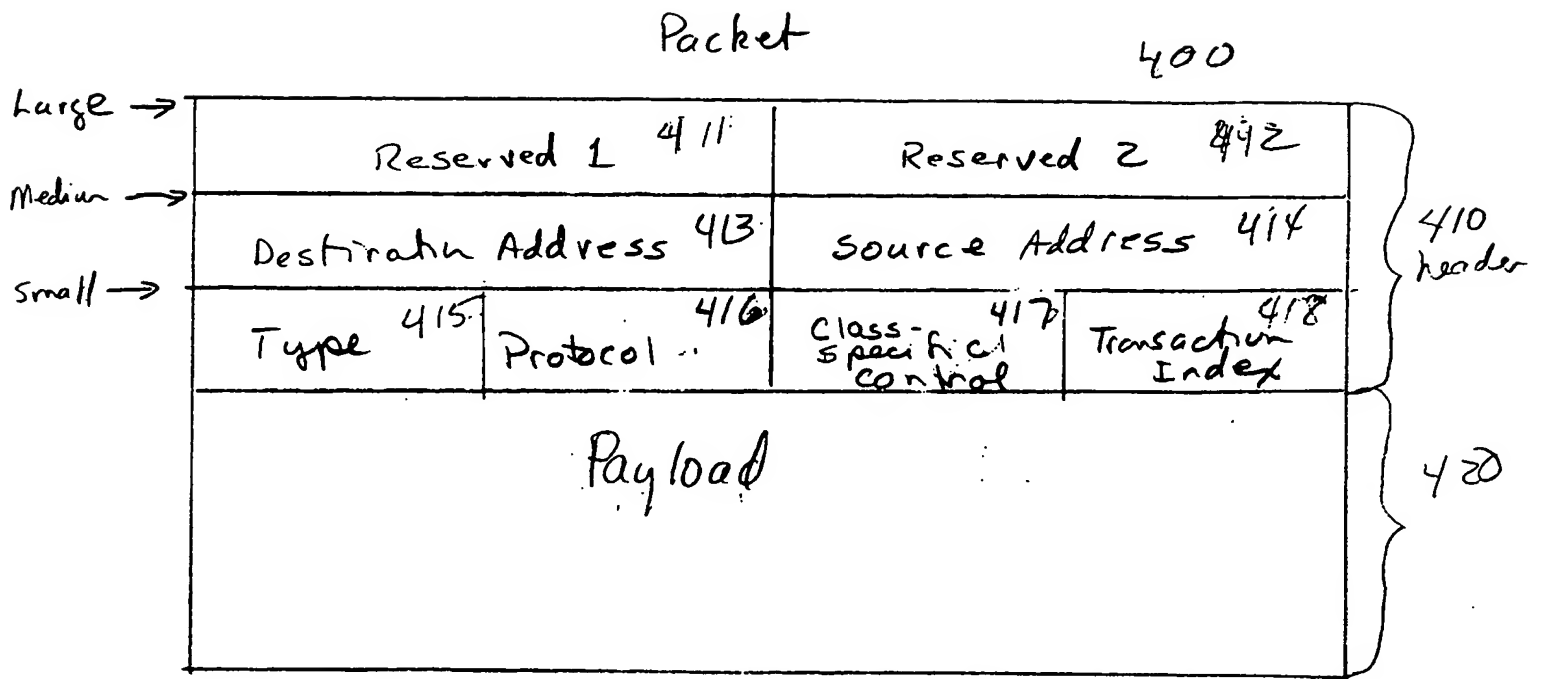
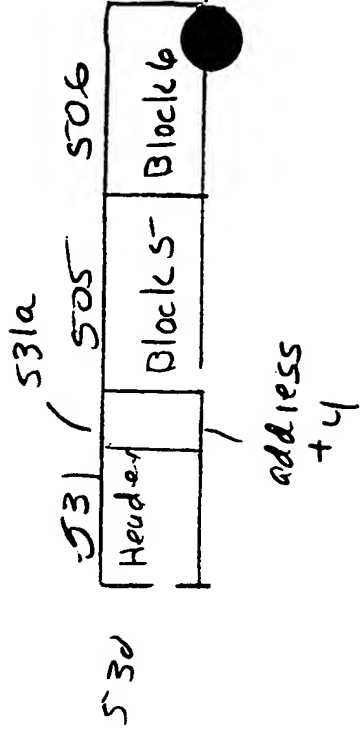
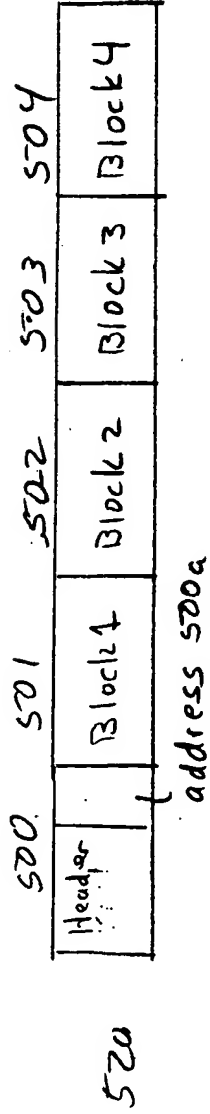
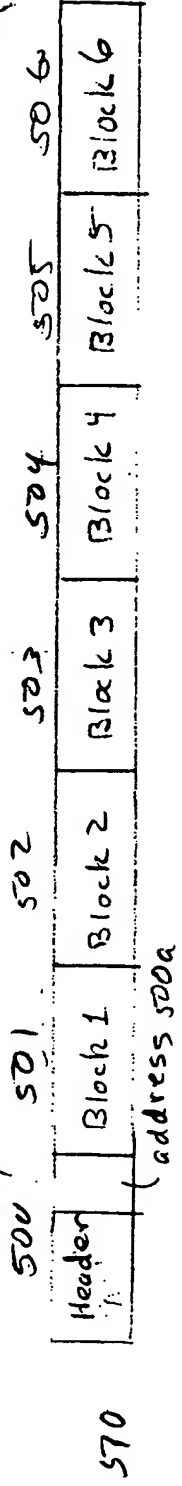


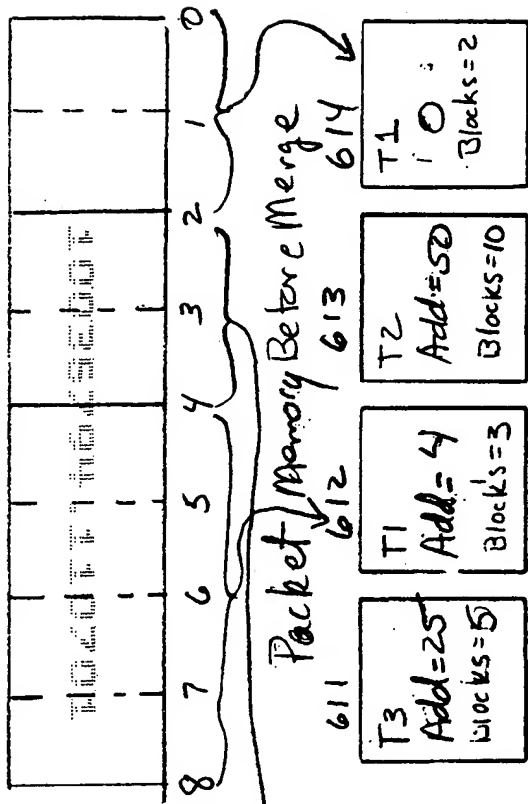
Fig 4

T E X T

Payload 511



F.85



Received Packet

T1 /

Add = 2

Blocks = 2

Packet Memory After Merge

T1

Add = 0

Blocks = 2

T2

Add = 50

Blocks = 10

T3

Add = 25

Blocks = 5

T1

Add = 0

Blocks = 7

Fig 6

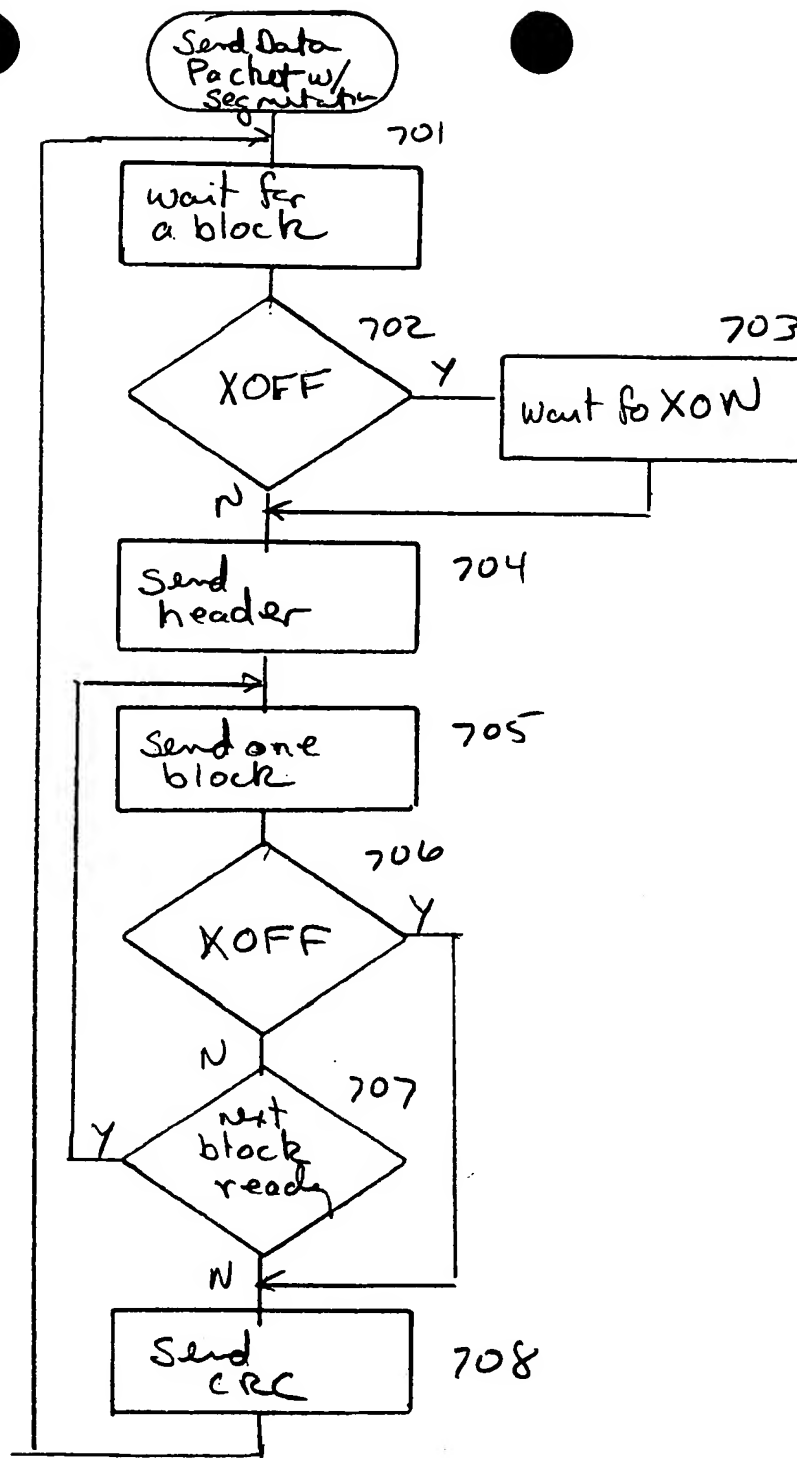


Fig 7

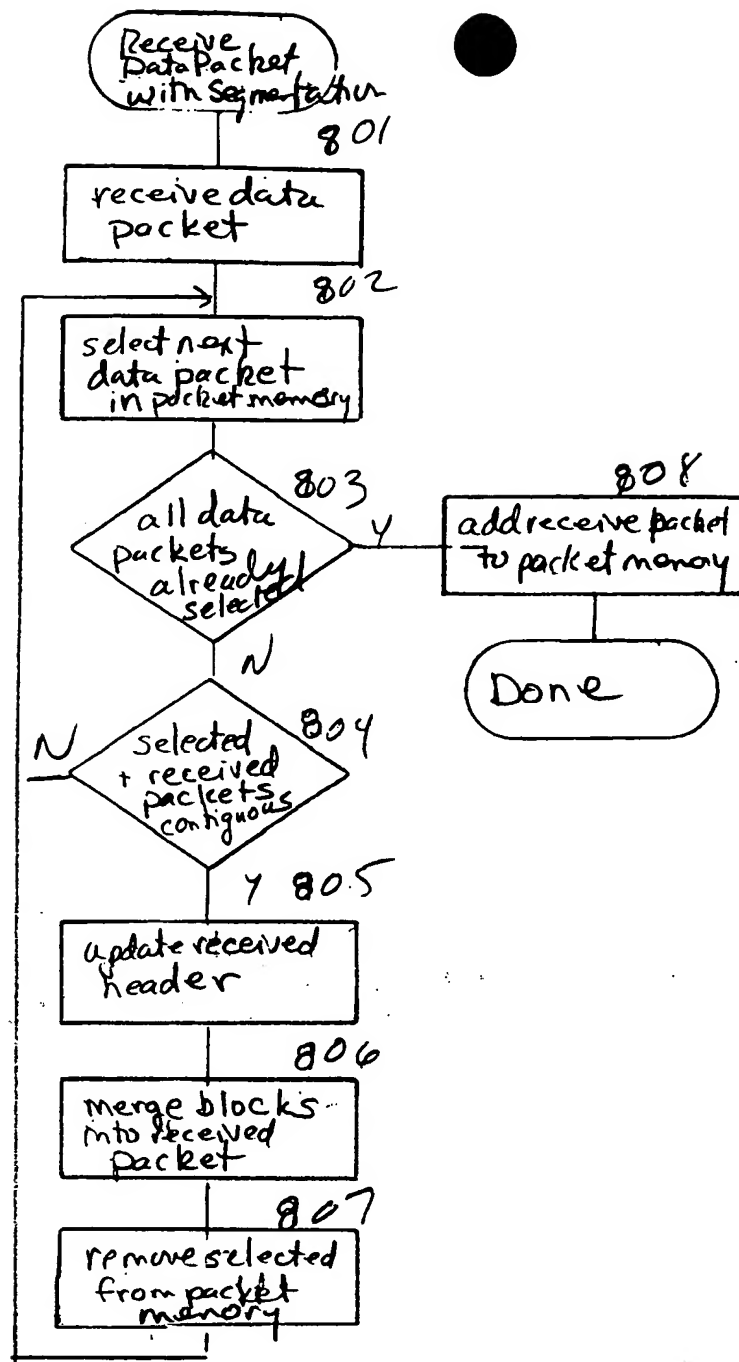


Fig 8

900 901 902 903 904



sync + packet type

Fig 9A

BIT BUFFER	A8	A7	A6	A5	A4	A3	A2	A1	A0	B8	B7	B6	B5	B4	B3	B2	B1	C0	C8	C7	C6	C5	C4	C3	C2	C1	C0
BIT CONTENT	0	0	1	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0
"10" DETECTION	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
"10" DETECTION	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
RESULT	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Symbol																											
STARTING POINTS																											

FIG.10

Fig 9B

FIG. 9C

910

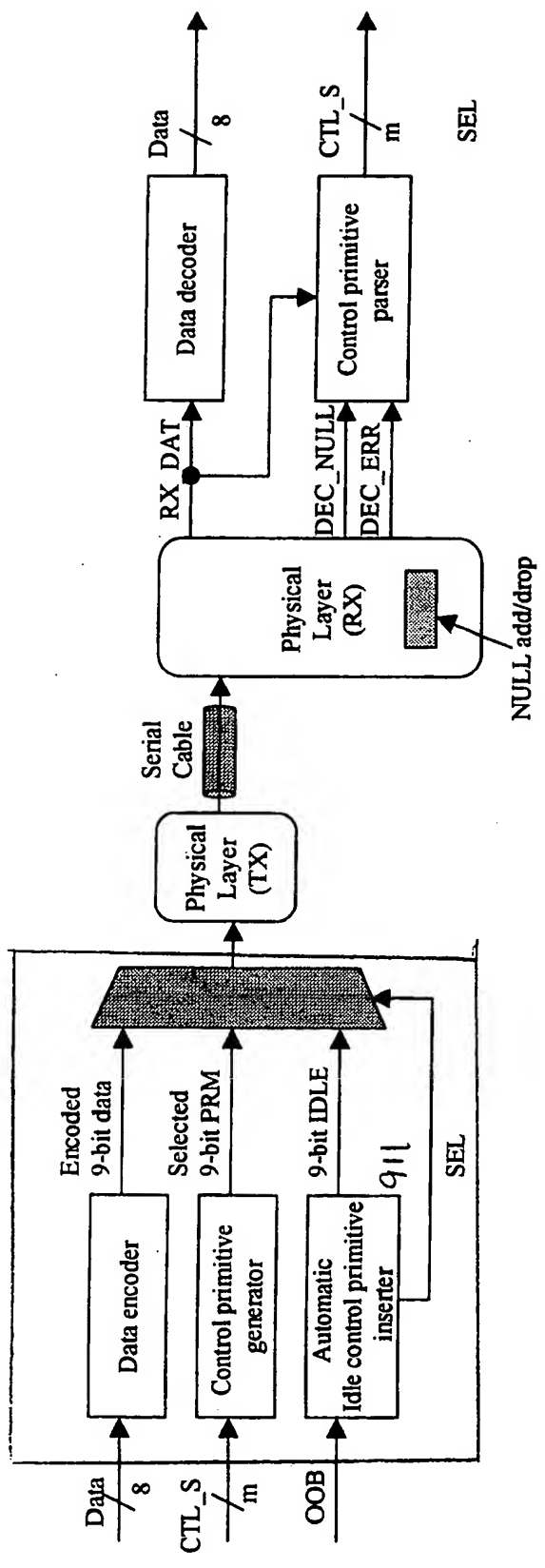


Fig. 9C

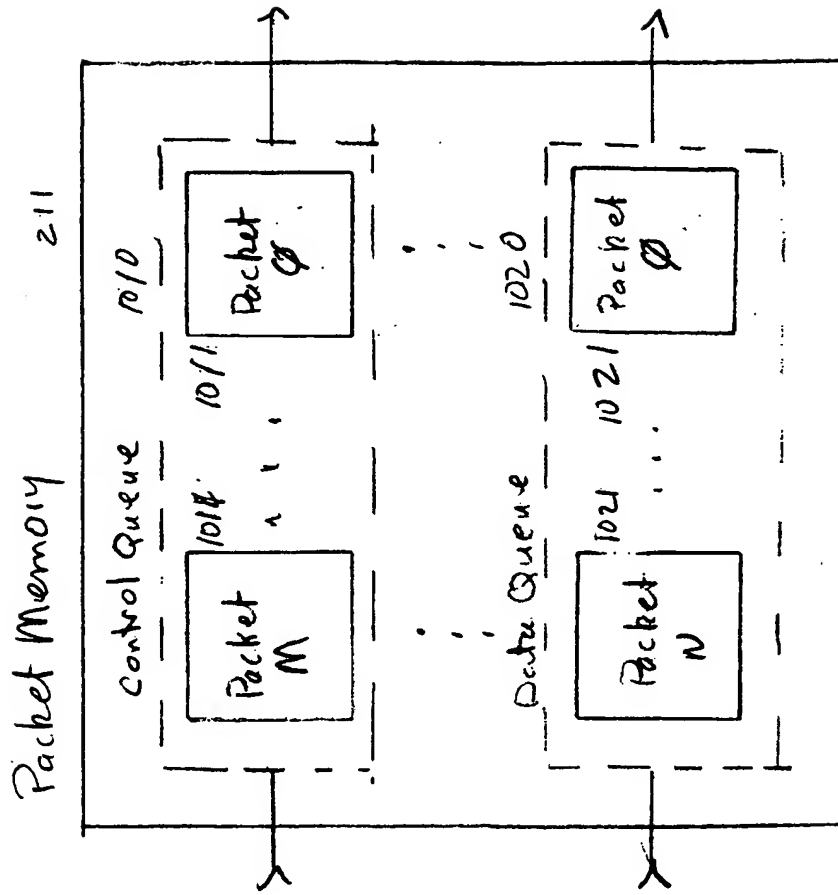


Fig 10

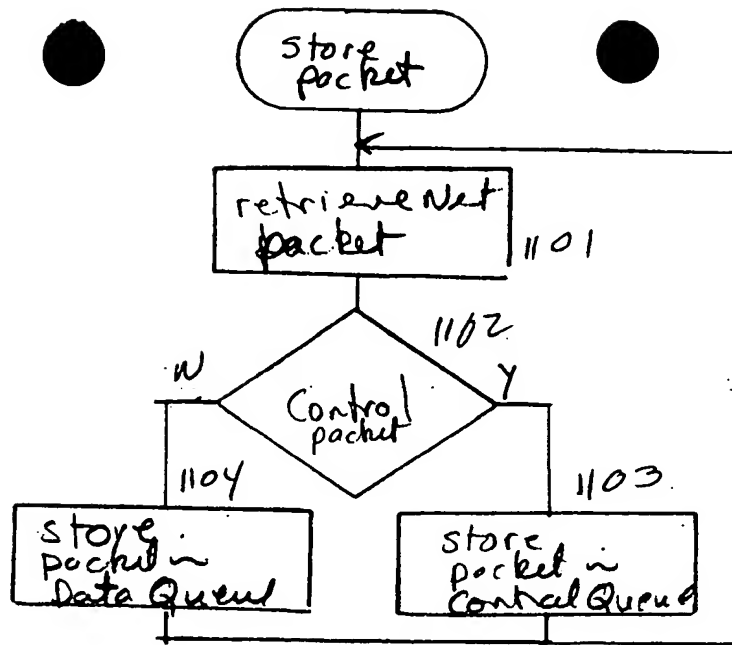


Fig 11

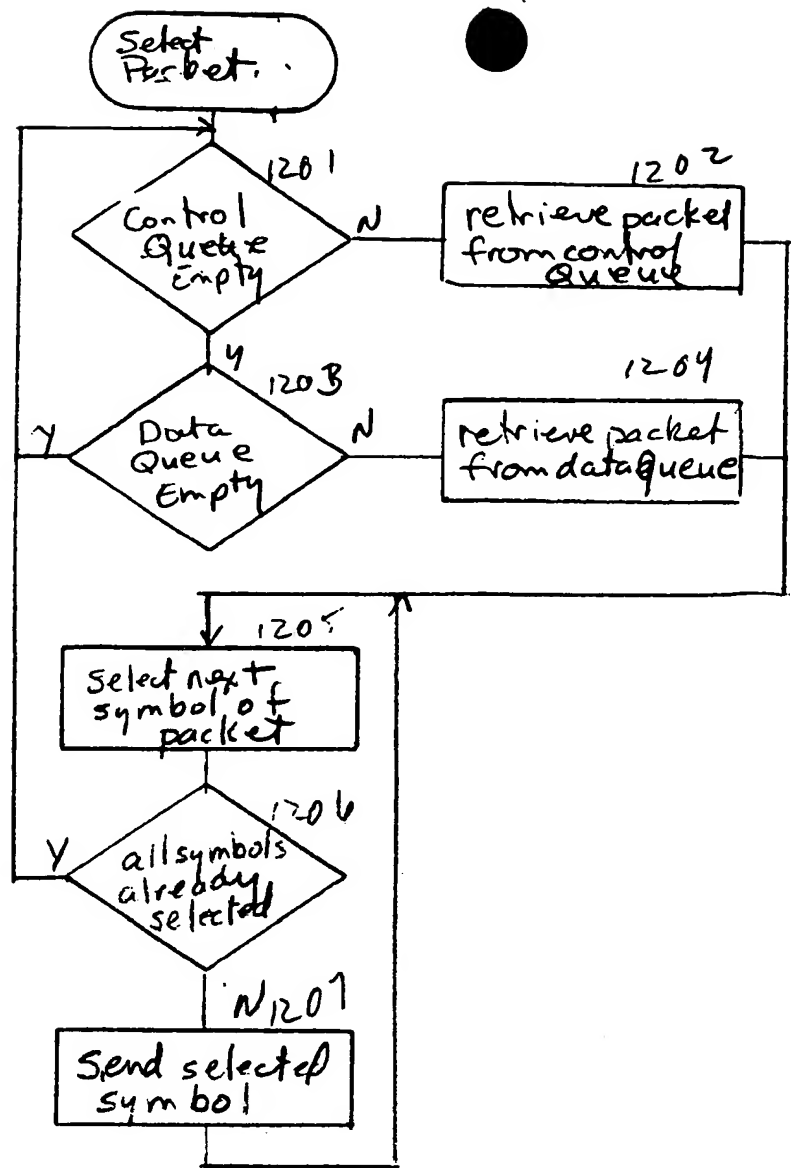


Fig 12

1300 1301 1302 1303 1304 1305

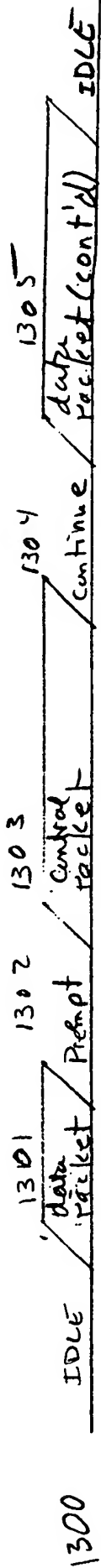


Fig 13

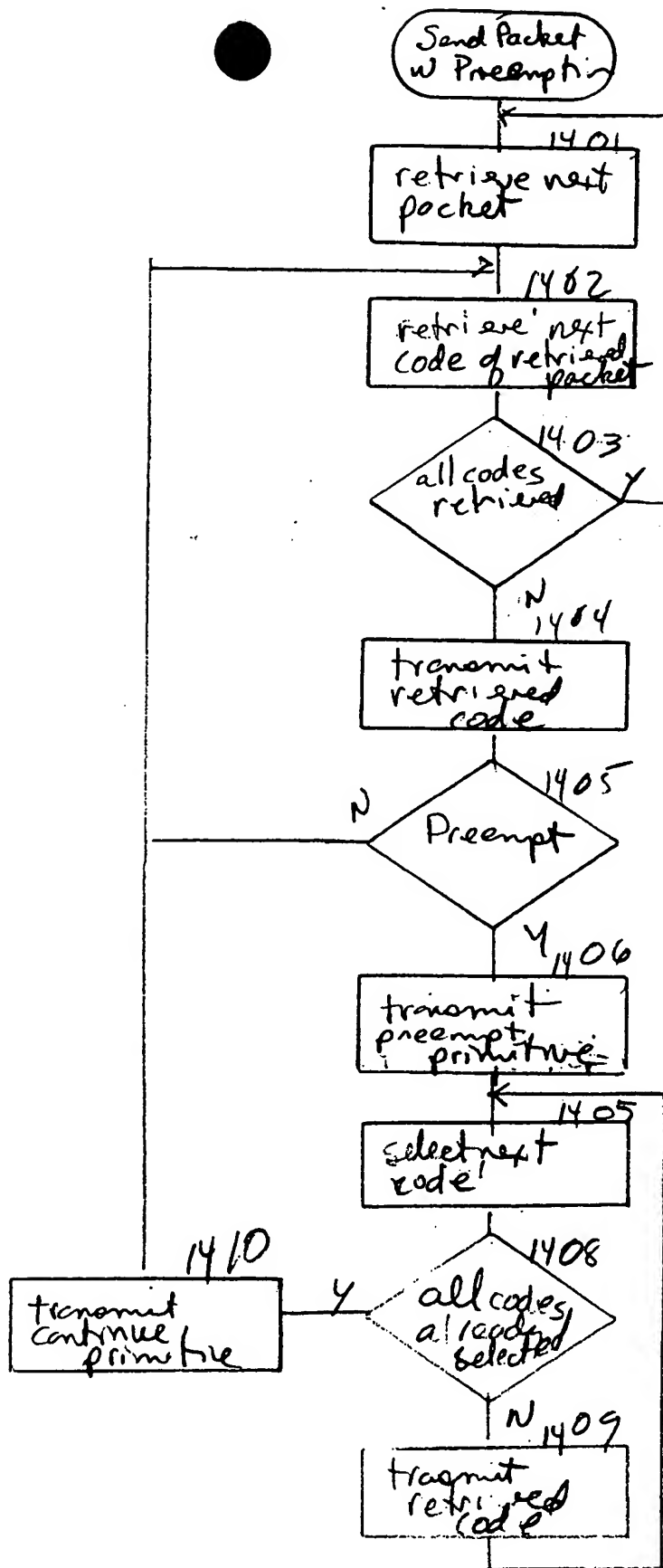


Fig 14

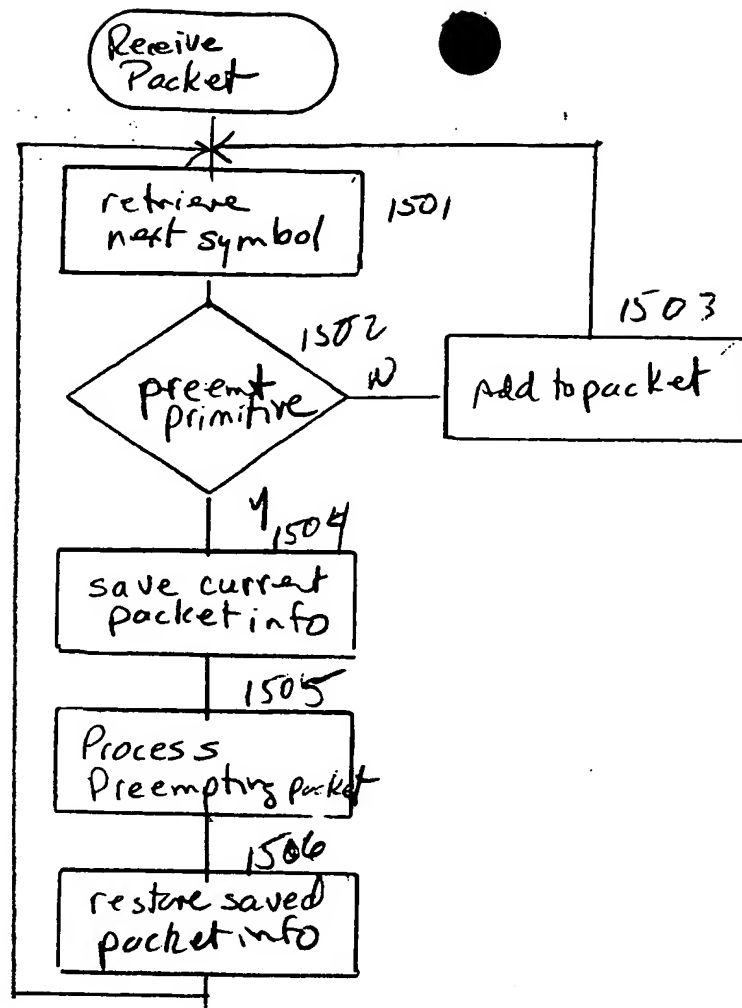


Fig 15

FIG 16 Switch Network

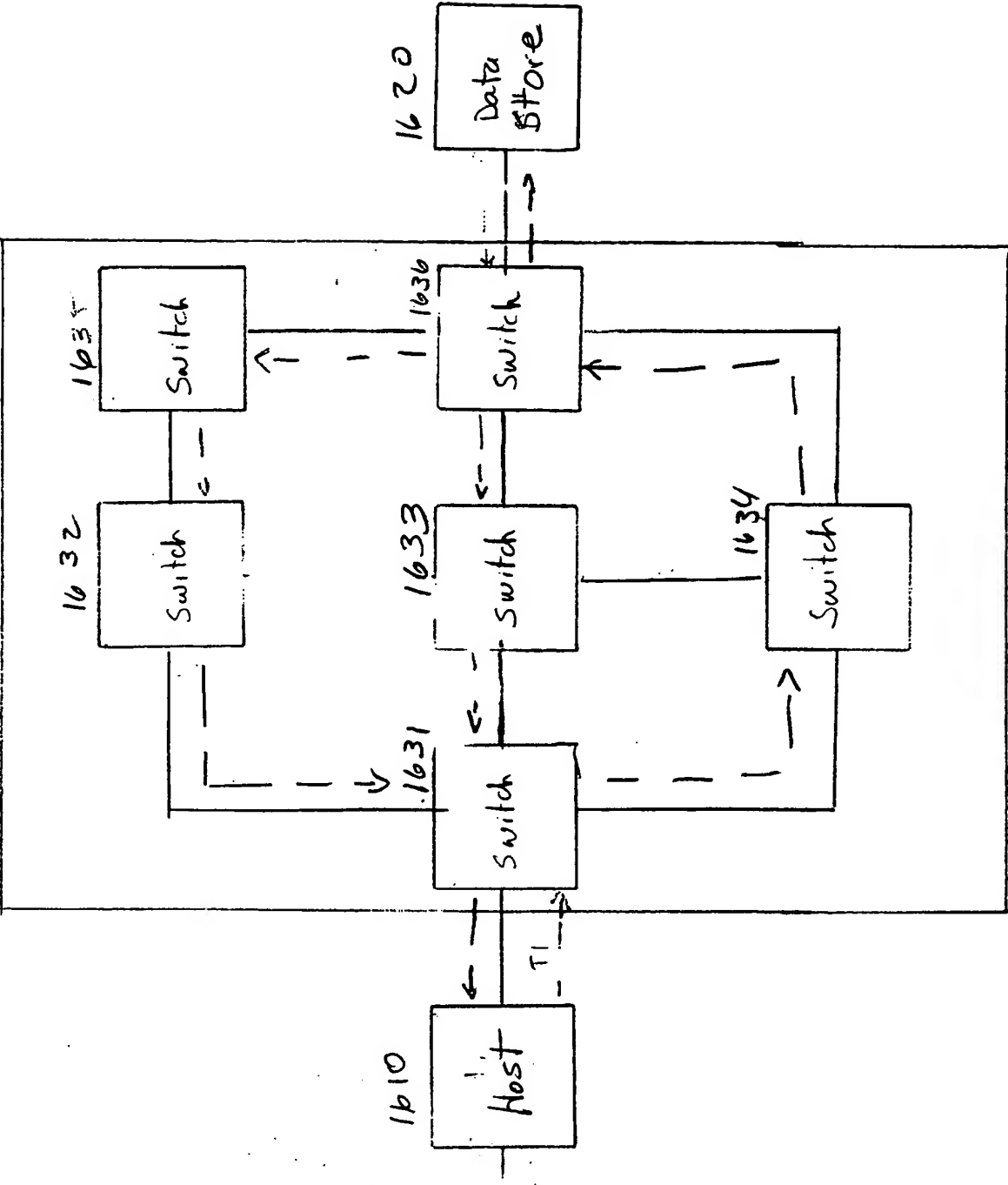
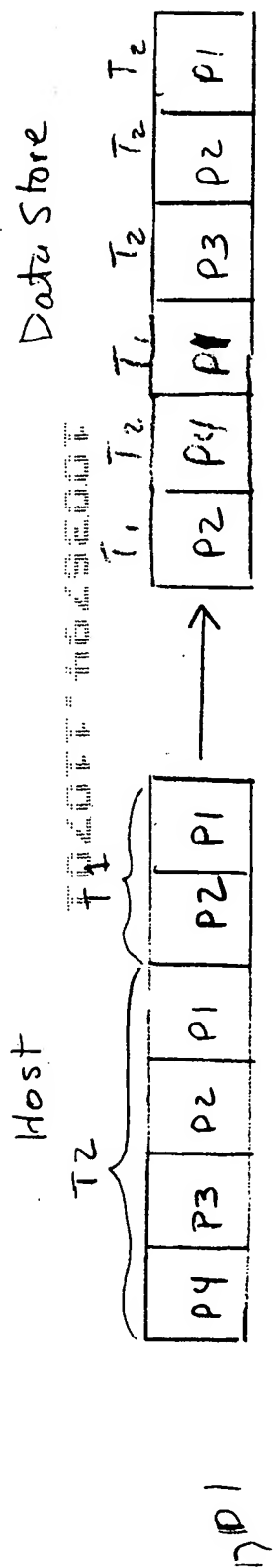
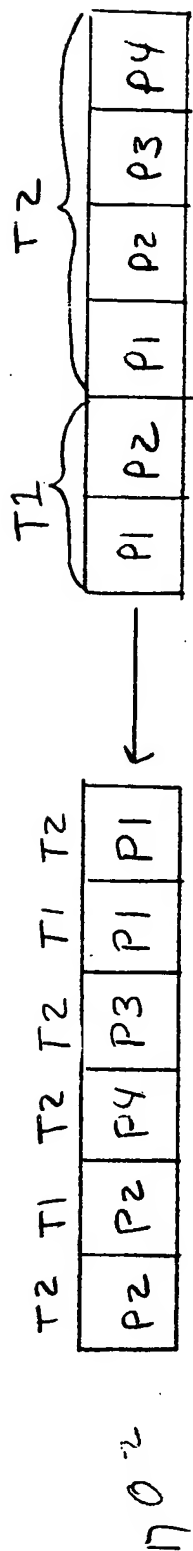


Fig 16



Preserving Packet Order w/ Transaction



No Packet or Transaction Ordering

Fig 17

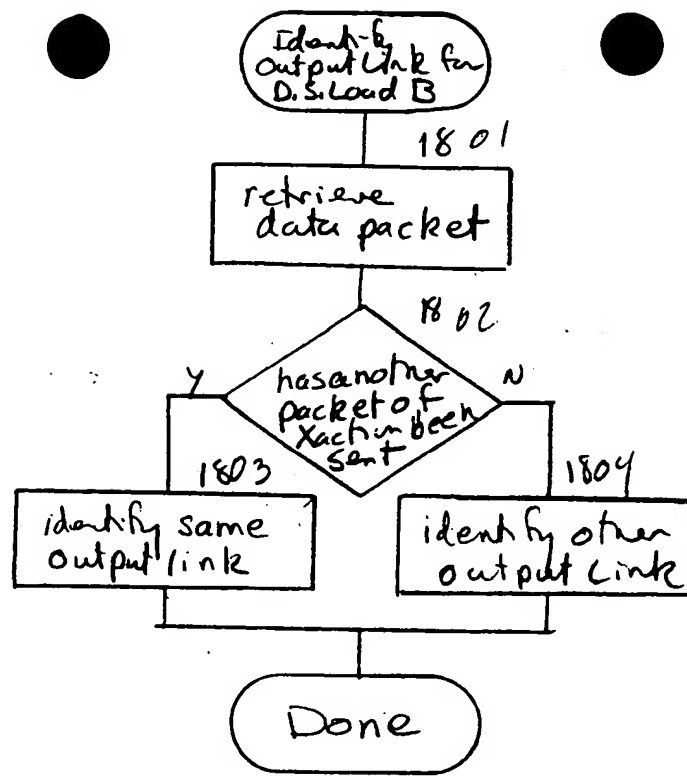


Fig 18

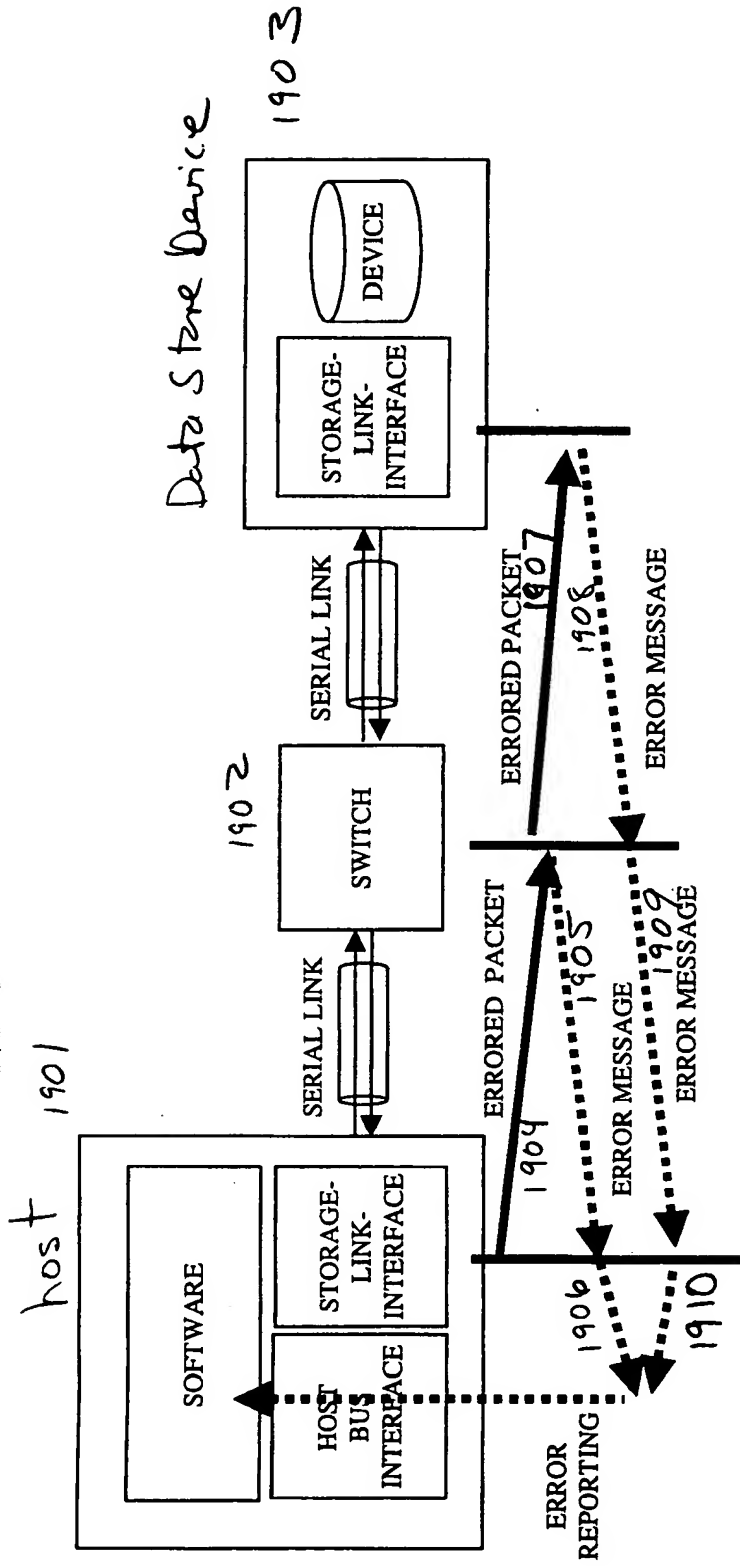


Fig 19A

1901

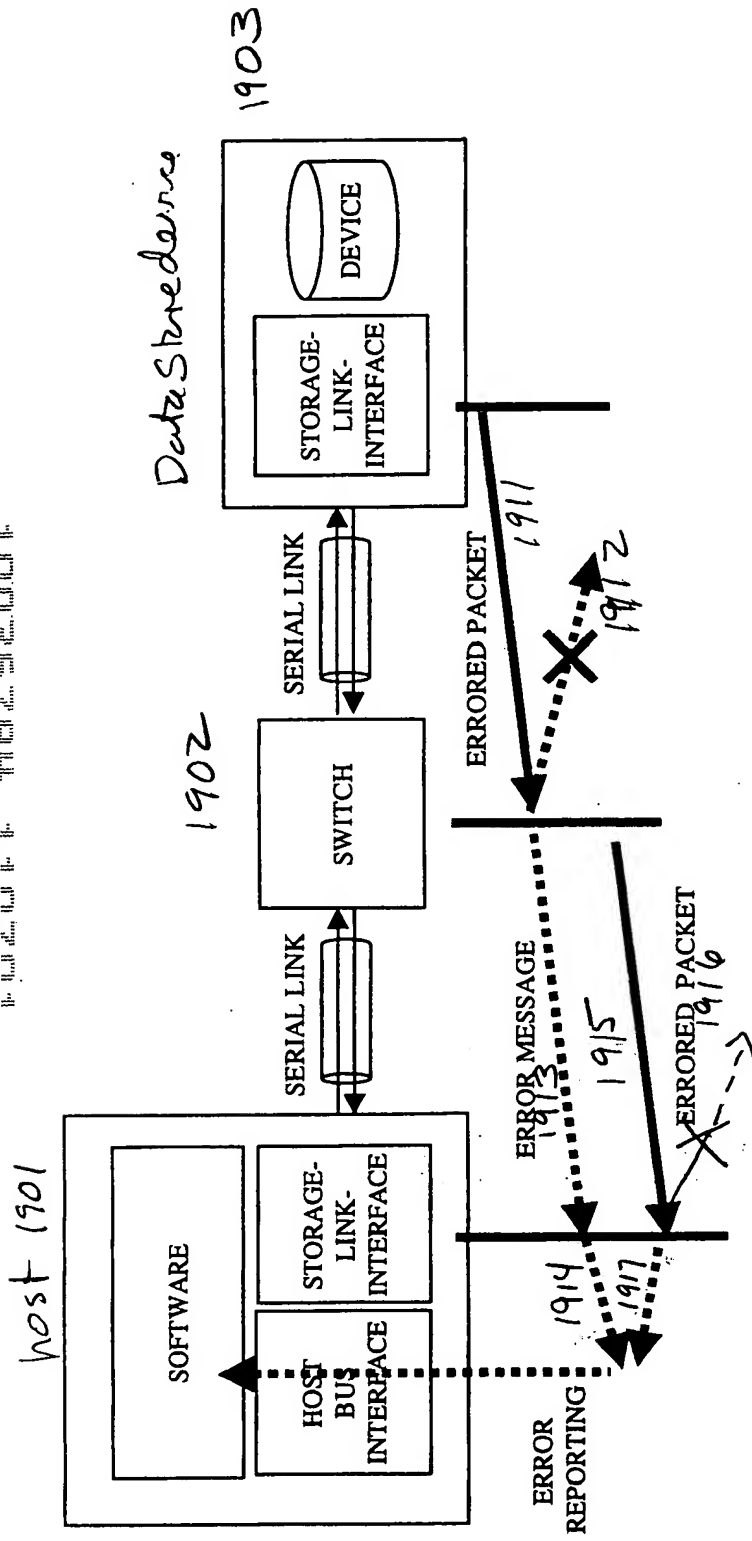
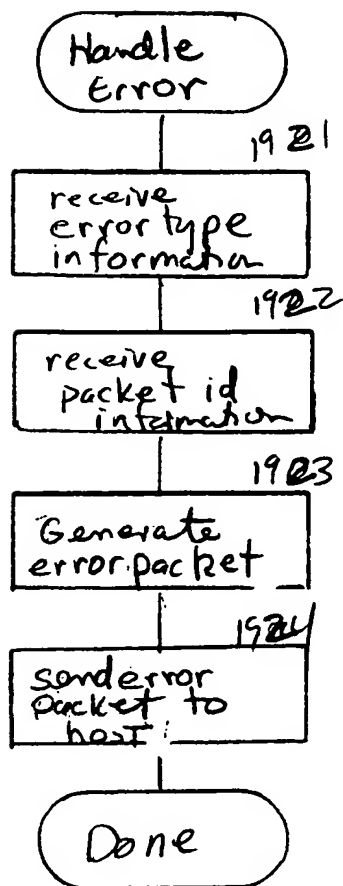


Fig 19B



19C

8 b Code	9 bit symbol
0000 0000	101010101
0000 0001	101010100
0000 0010	101010111
⋮	
0101 0101	001010101
⋮	
0111 0110	001110110
0111 0111	100100010
⋮	
1111 1111	110101010

Fig 20

THE SEVEN

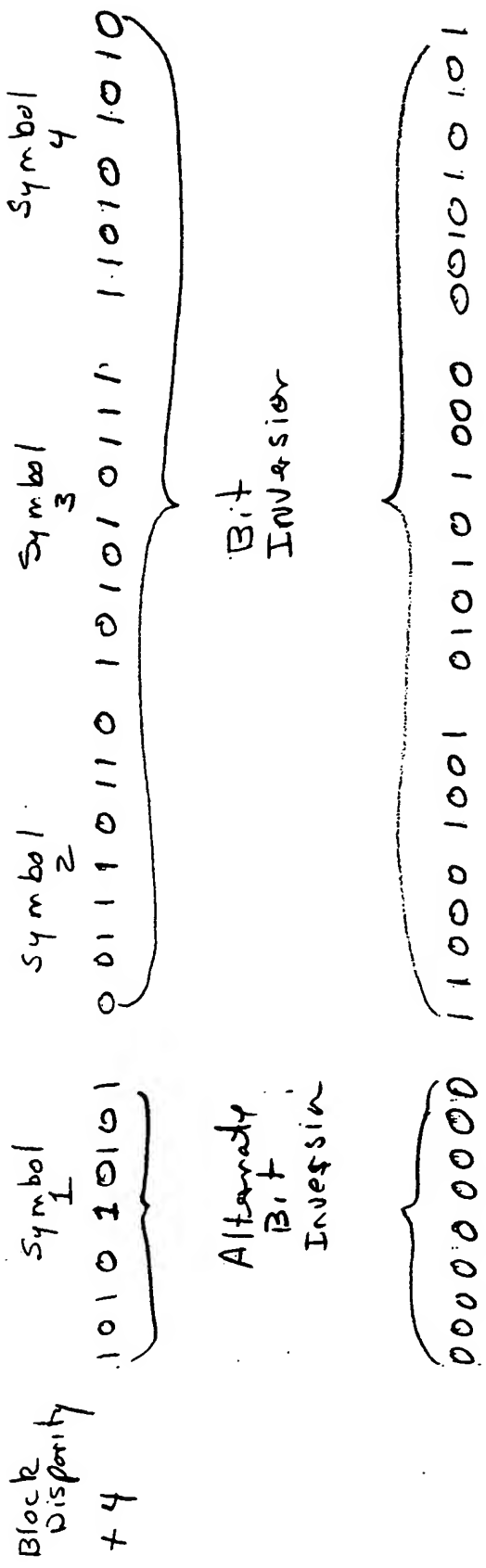


Fig 21A

FIG. 21B

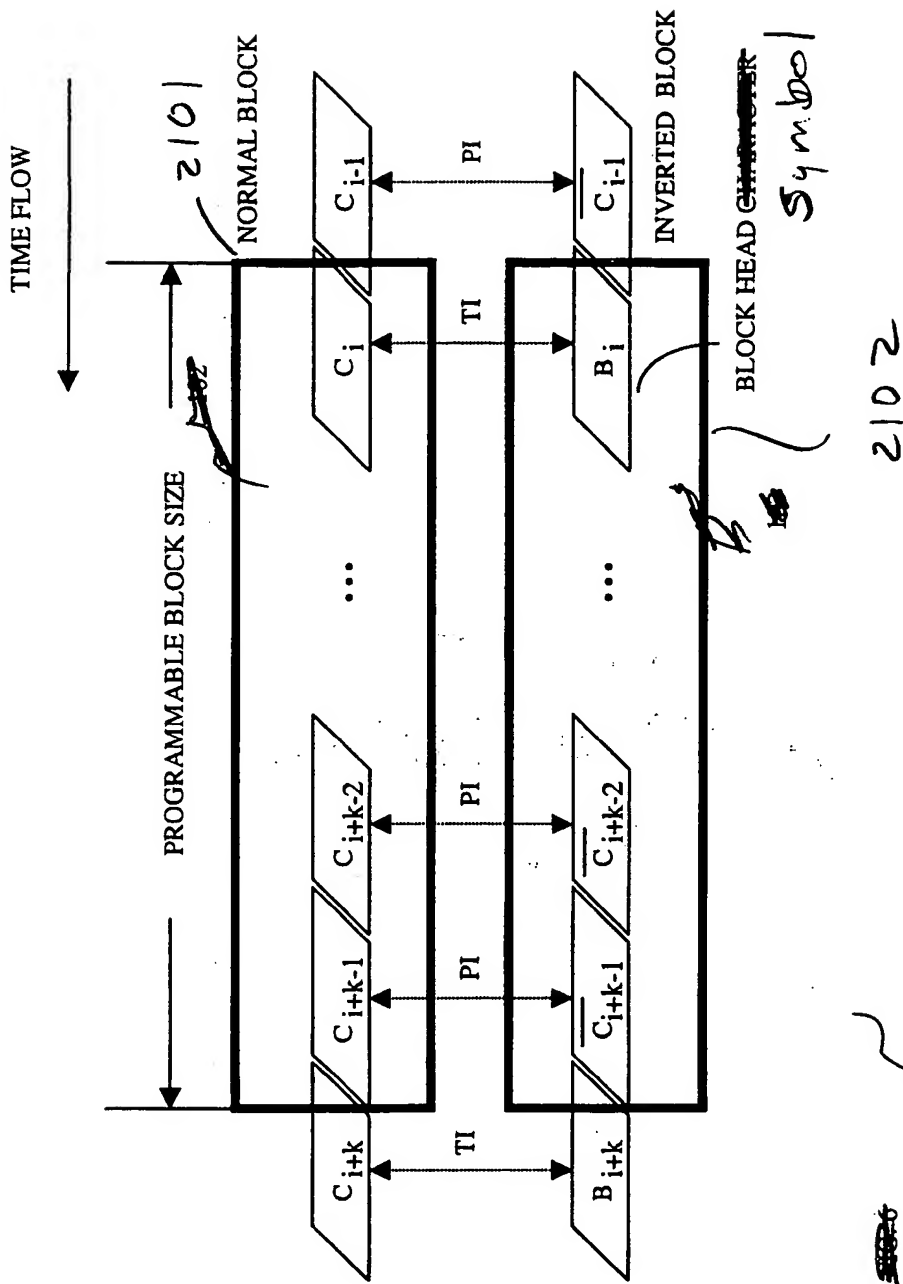


Fig 21B

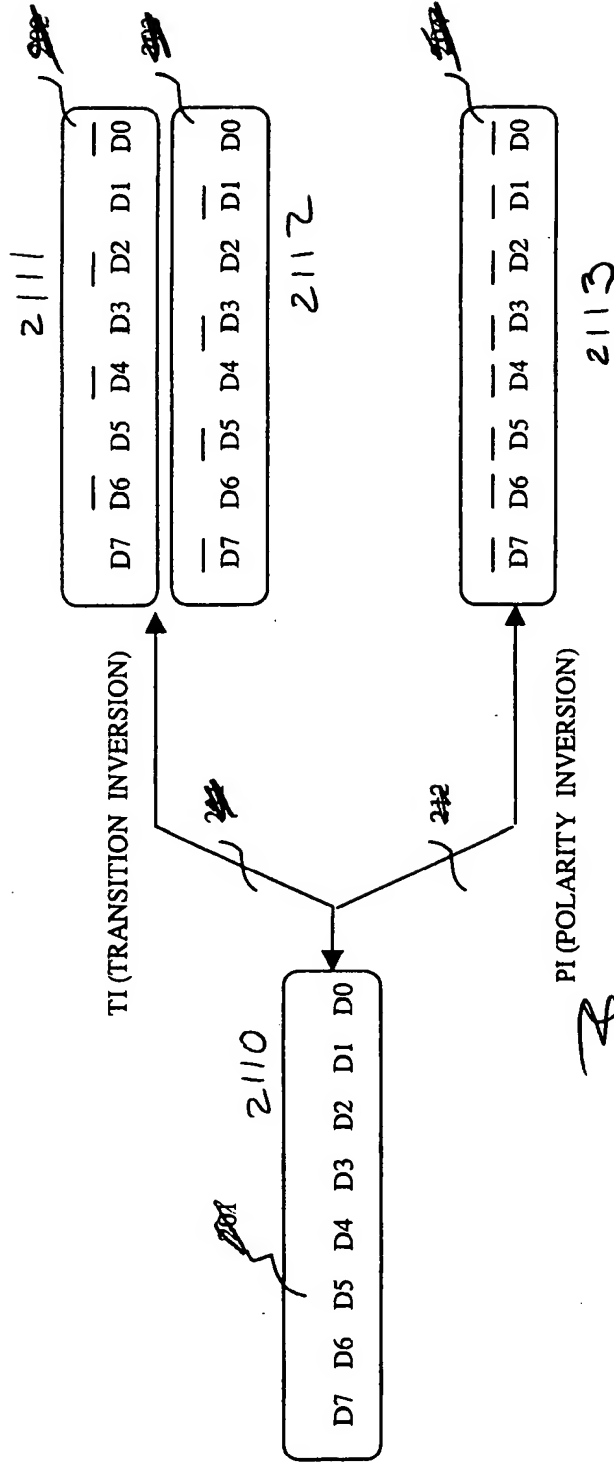


Fig 21C

The diagram illustrates a packet structure with the following fields: F0LÉ, Packet, PRIM, Packet (cont'd), and IDLÉ. A callout from the PRIM field shows a bit stream 00B 00B. The first 00B is labeled with an arrow as 'negative disparity', and the second 00B is labeled with an arrow as 'positive disparity'.

Fi 22

FIG. 23

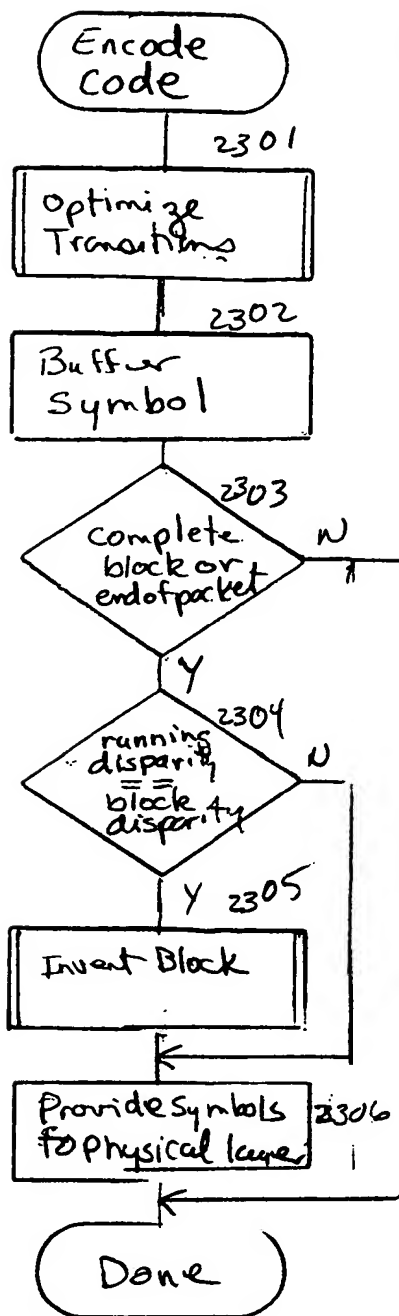


Fig 23

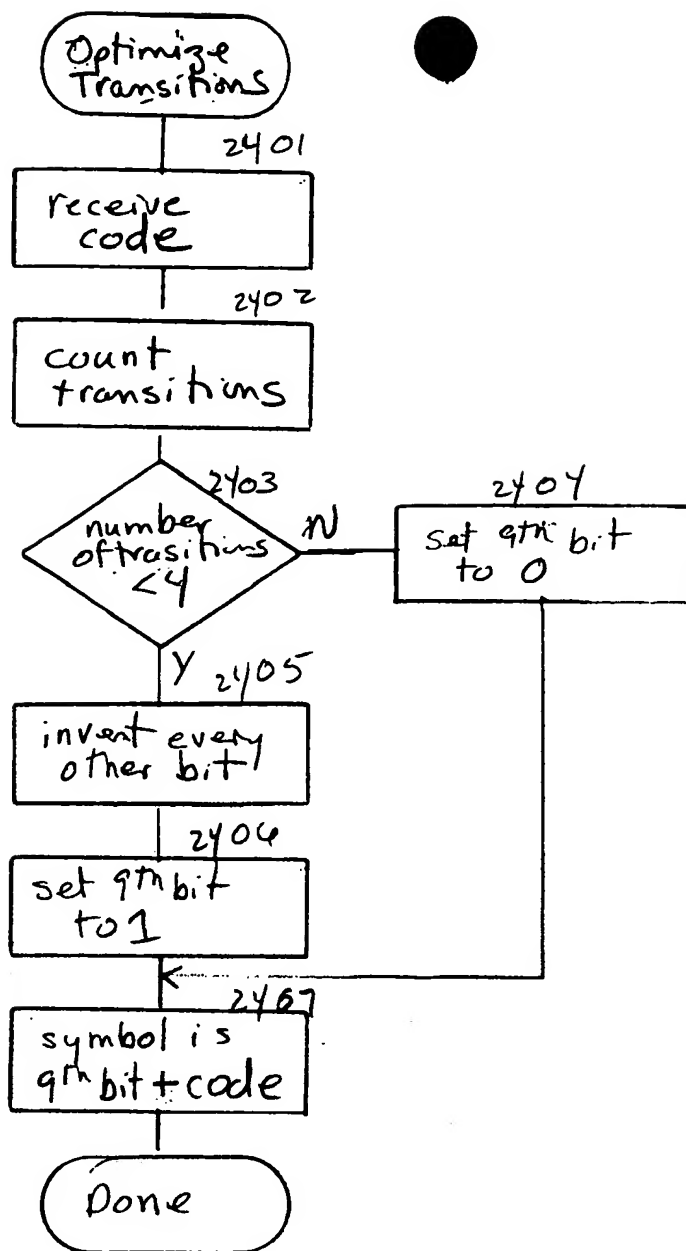


Fig 24

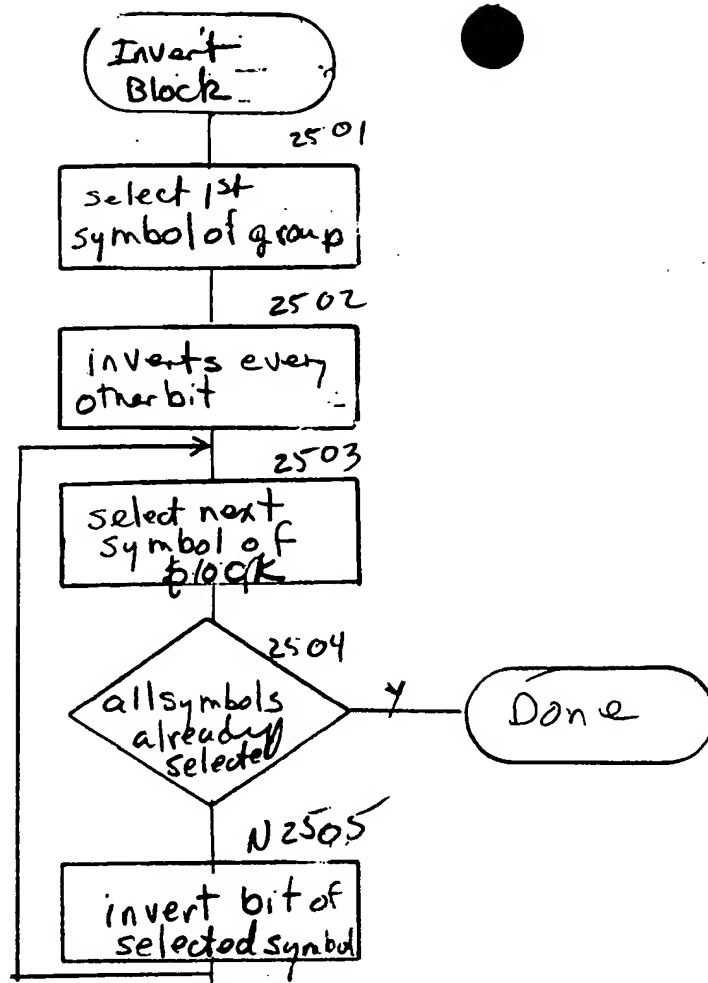


Fig 25-

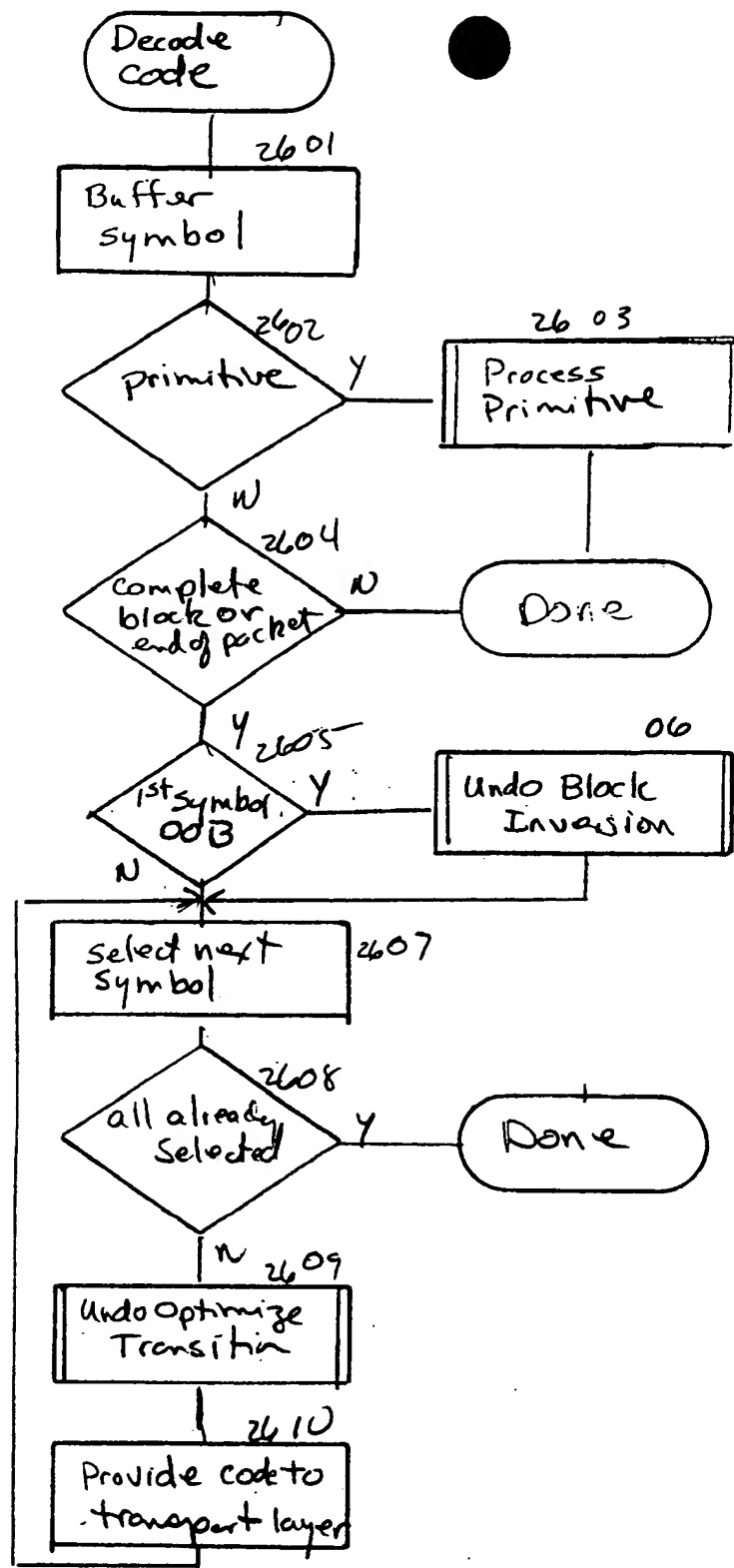


Fig 26

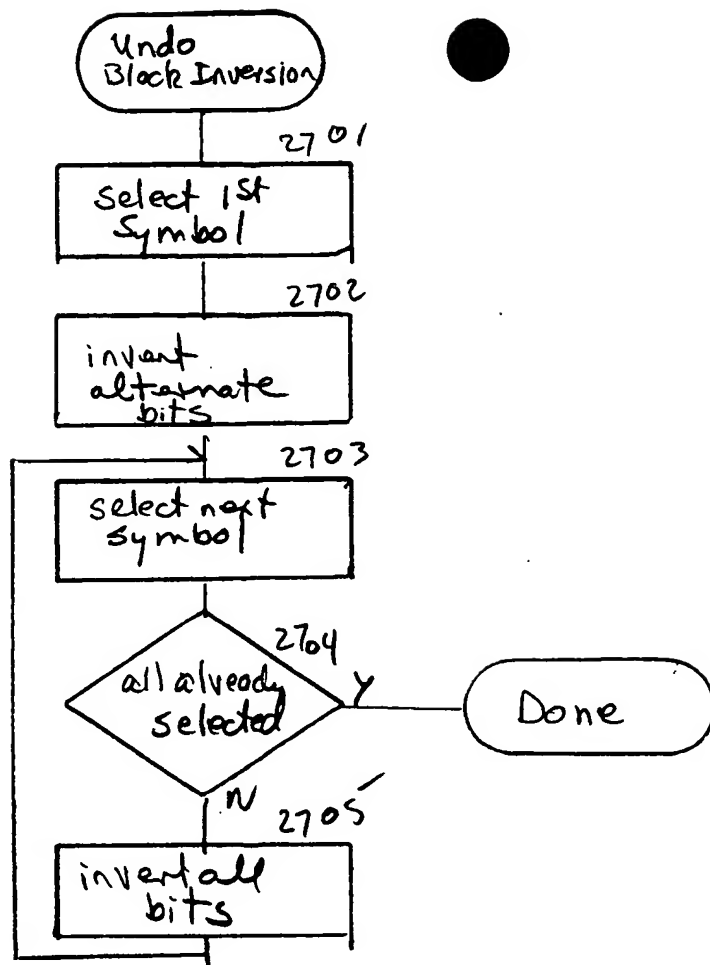


Fig 27

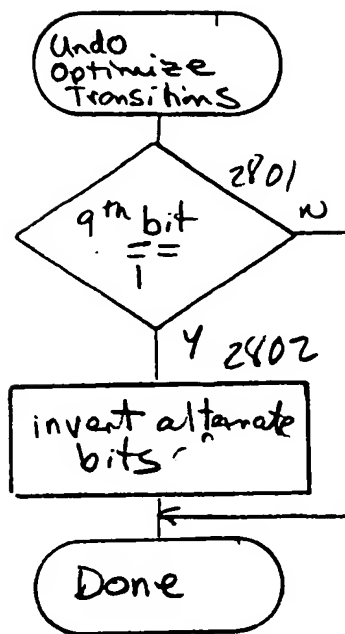


Fig 28

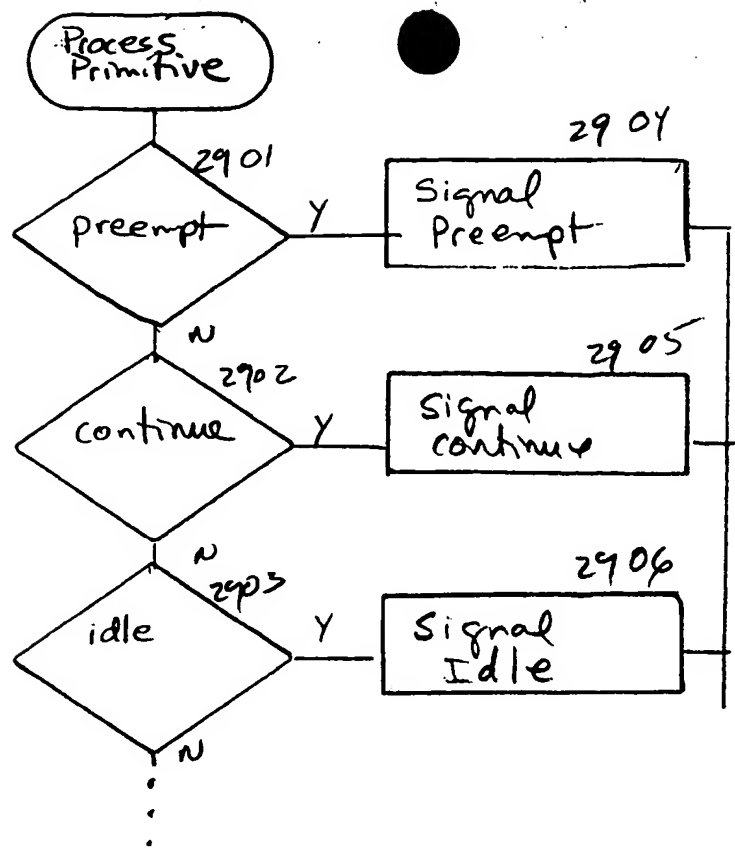


Fig 29

Downloaded from www.industrydocuments.ucsf.edu

Multiport Memory Device 3000

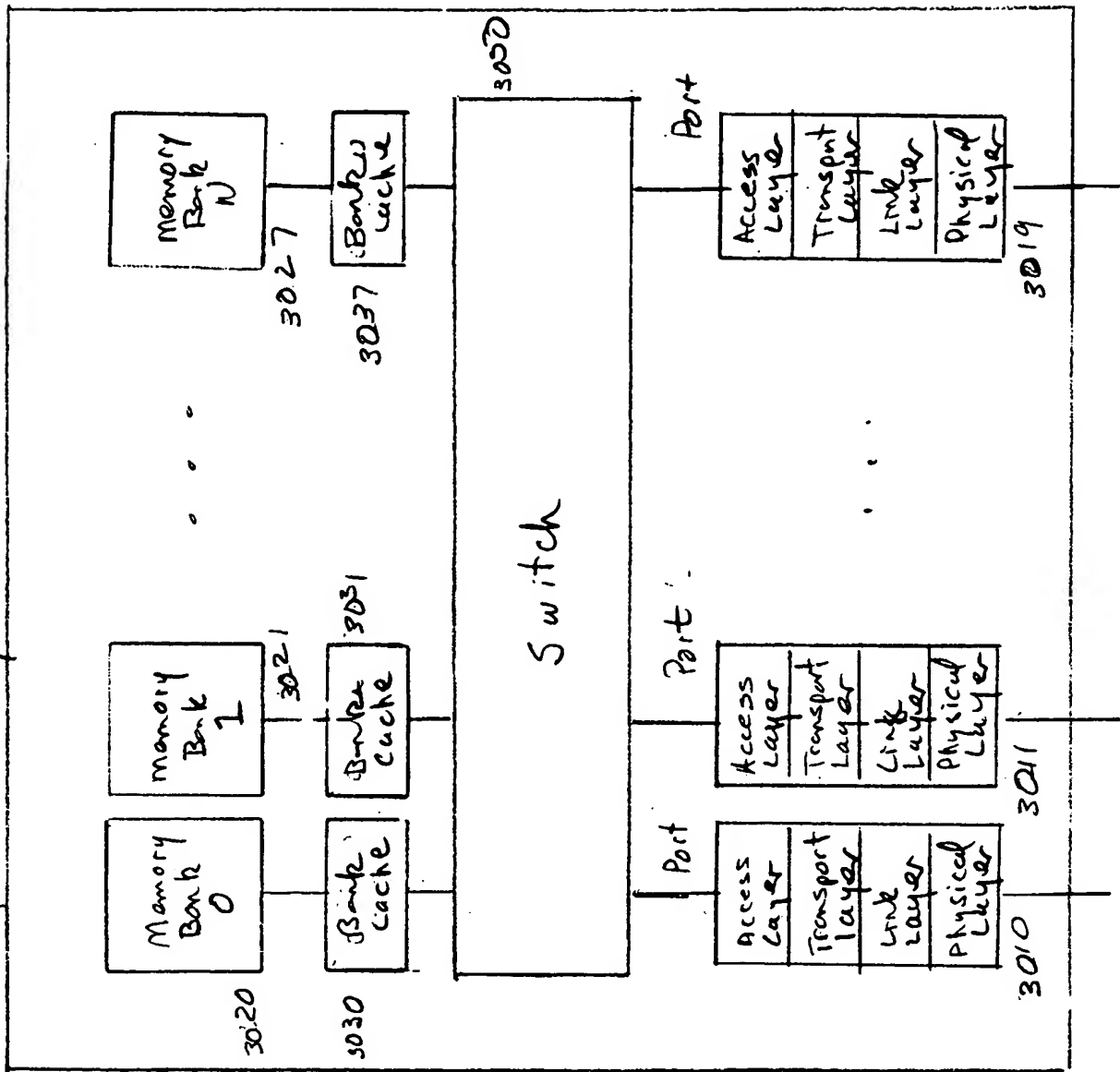


Fig 30

Physical Layer

3100

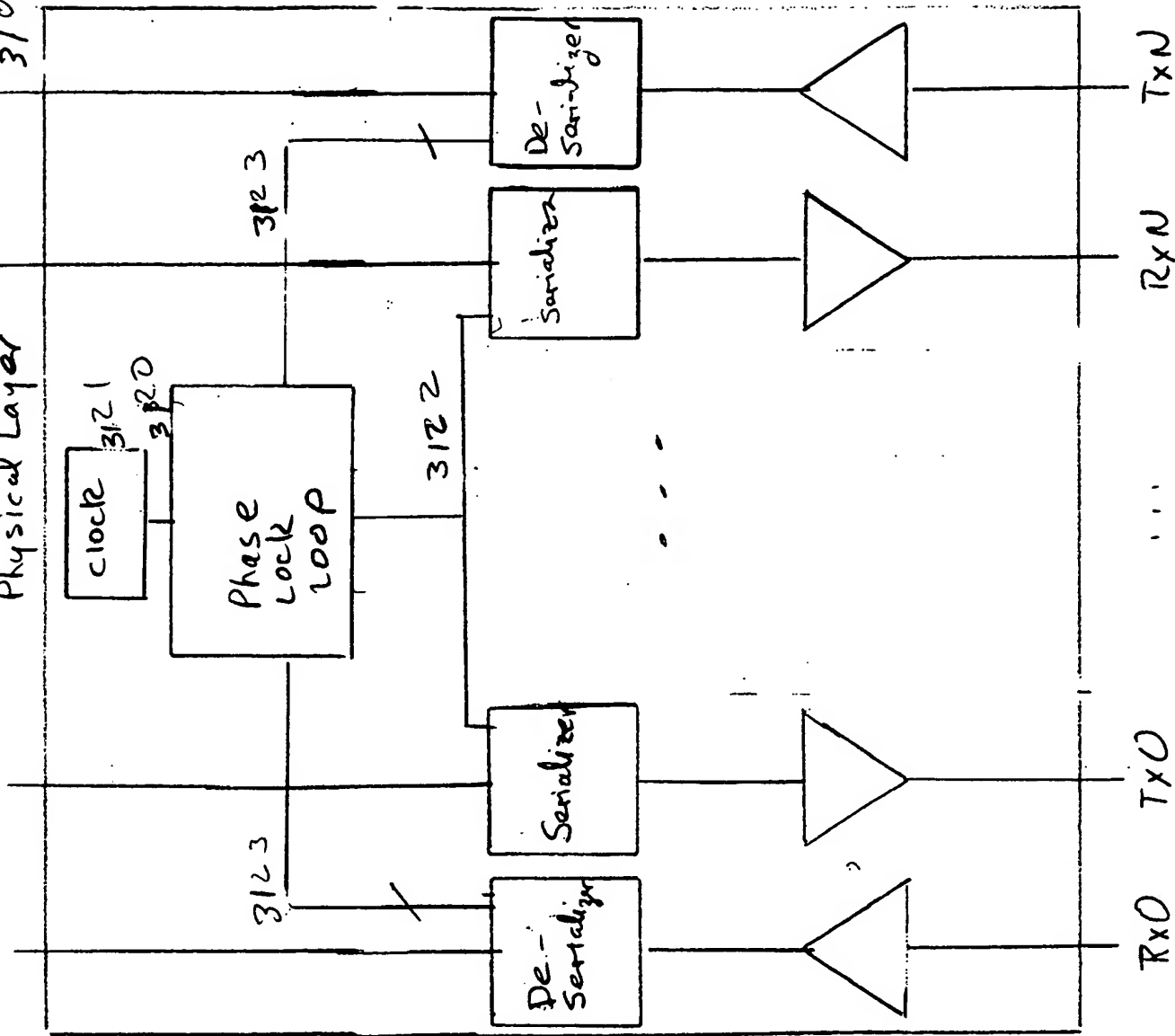


Fig 31

3110

3119

Input Queue 3201			Output Queue 3202		
Port	R/W	Address	Valid	Port	Data
3	R	1000	1	3	11...0
4	W	4000	0		
3	W	1000	0		
3	R	2000	1	3	101...1
				⋮	

Fig 32

TOP SECRET

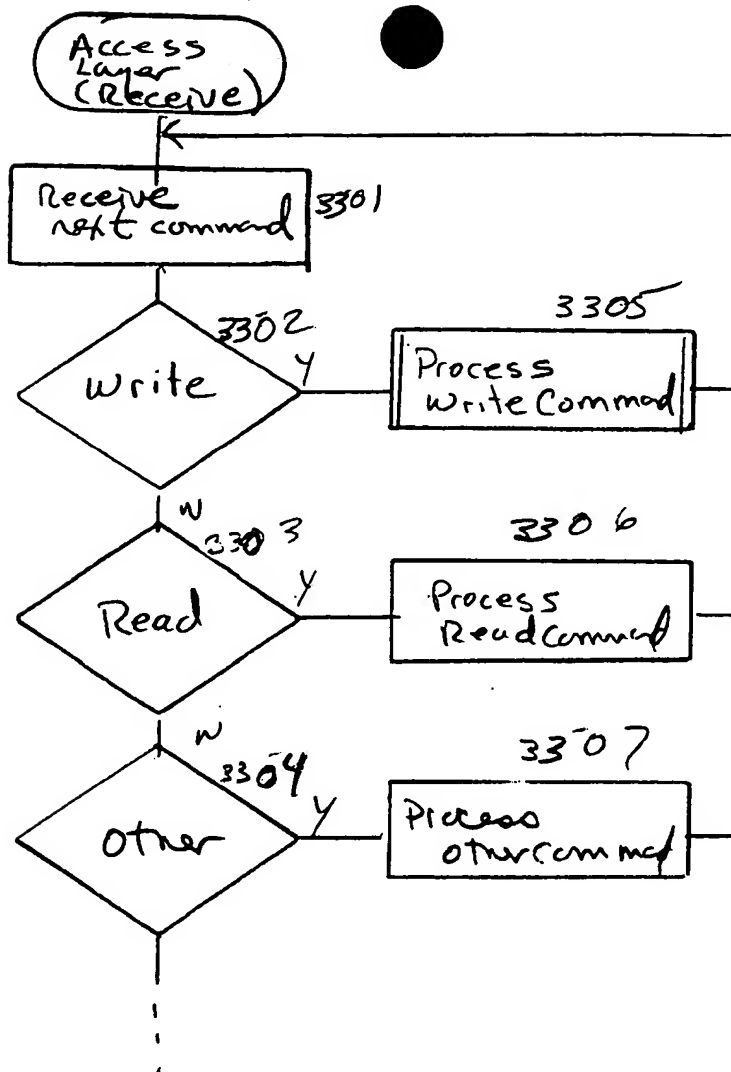


Fig 33.

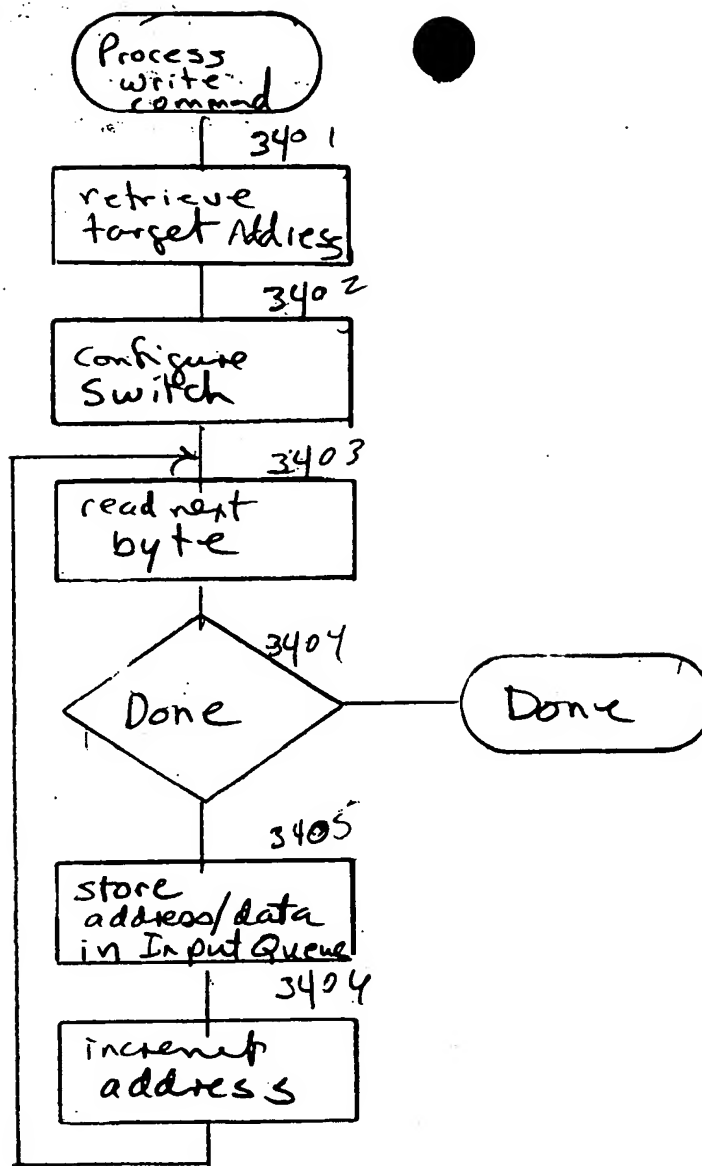


Fig 34

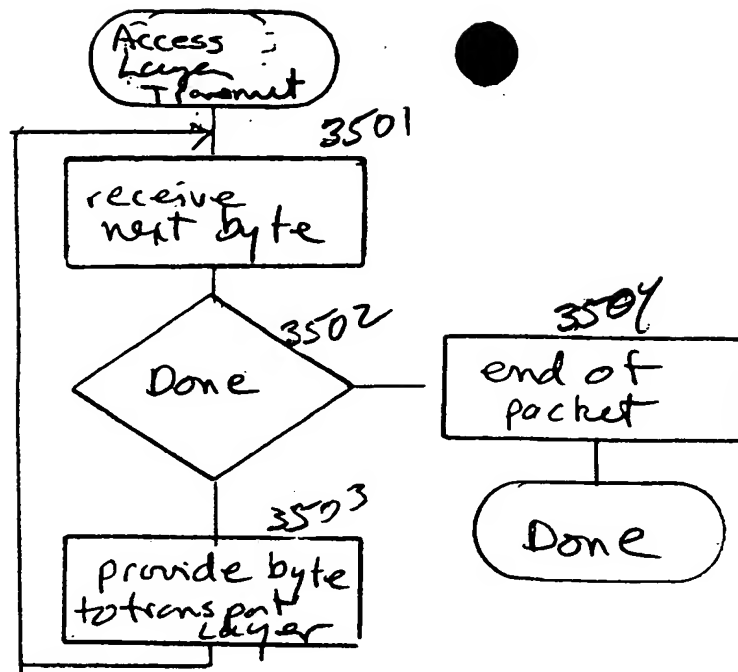


Fig 35

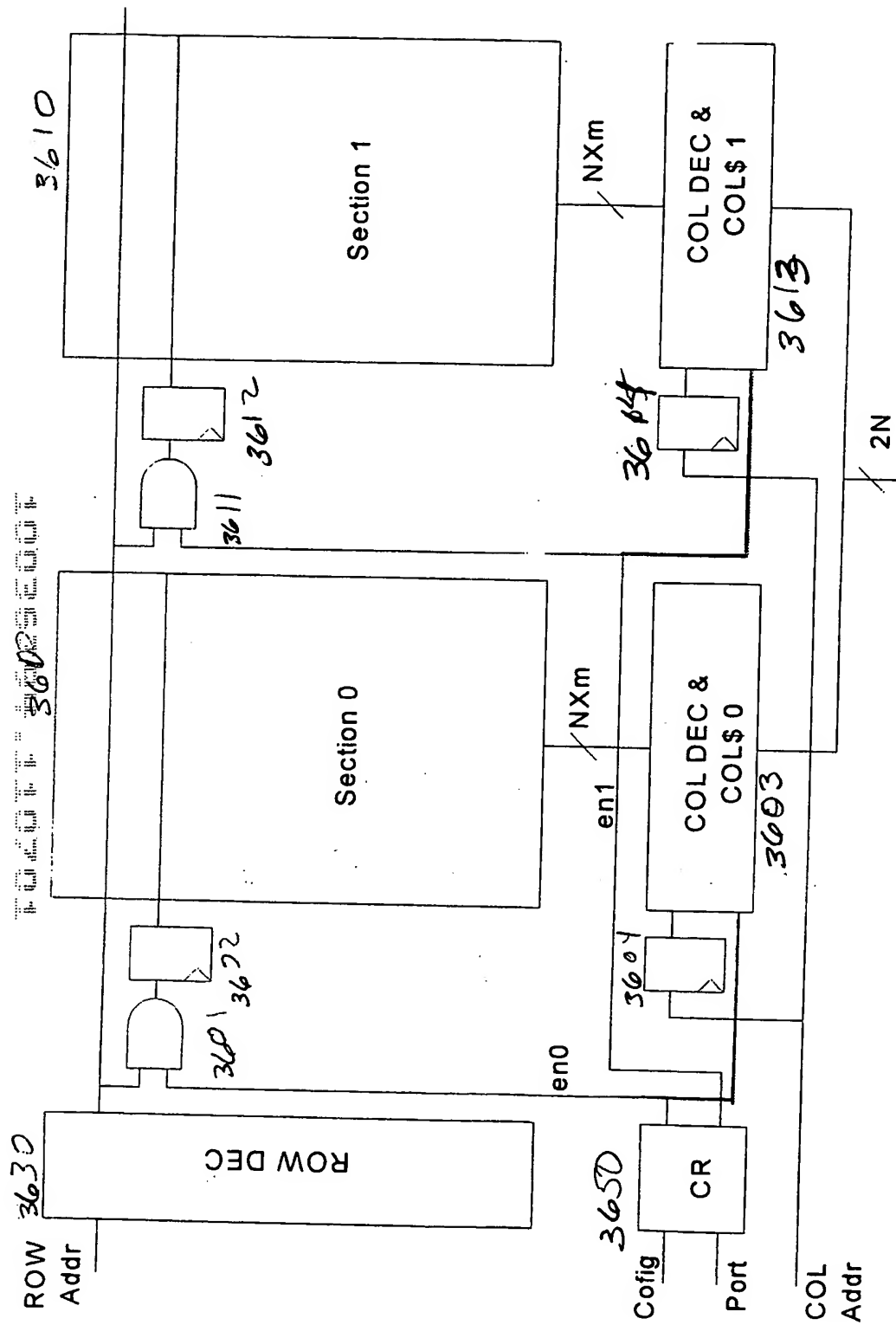
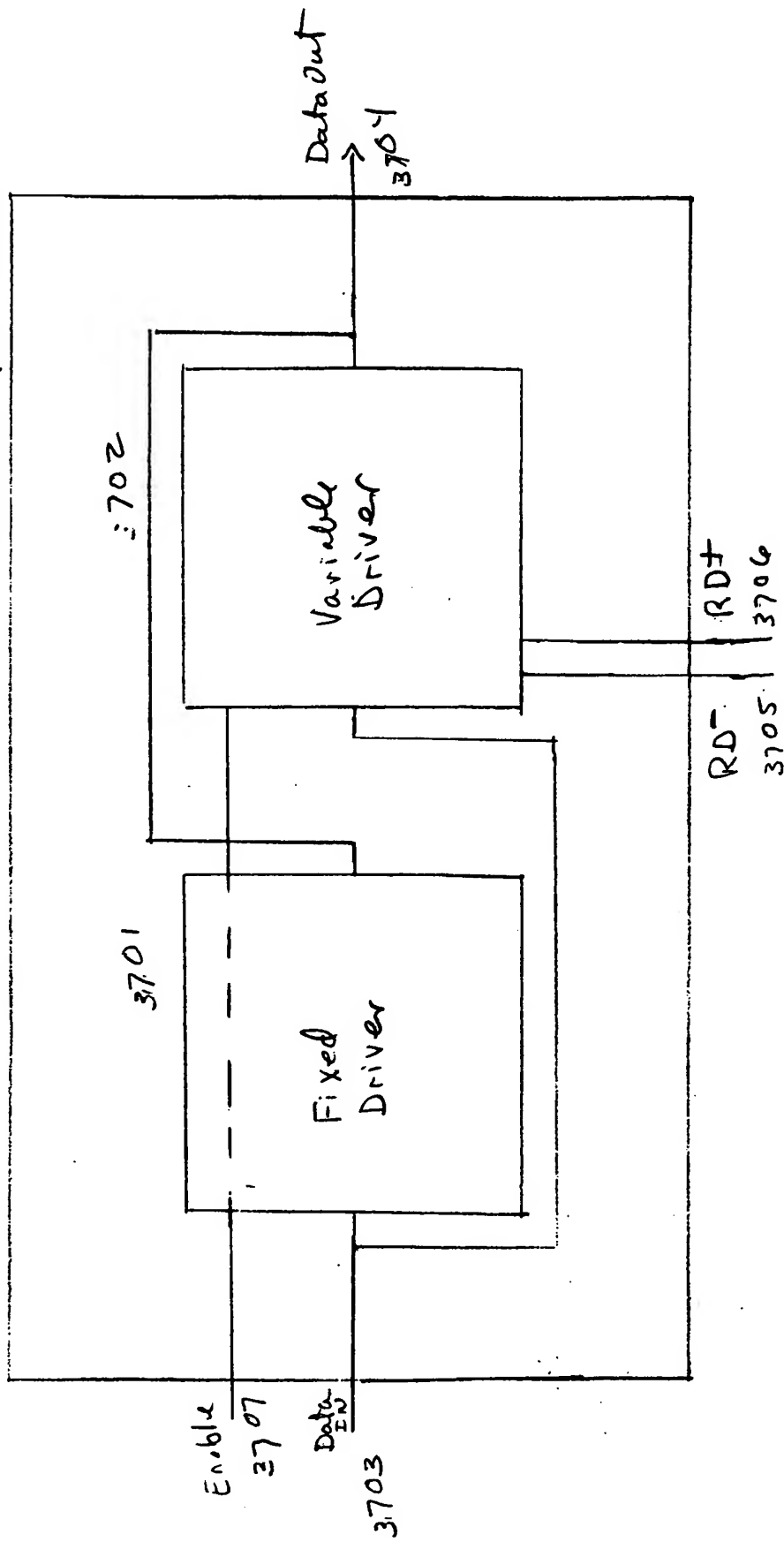


Fig 36

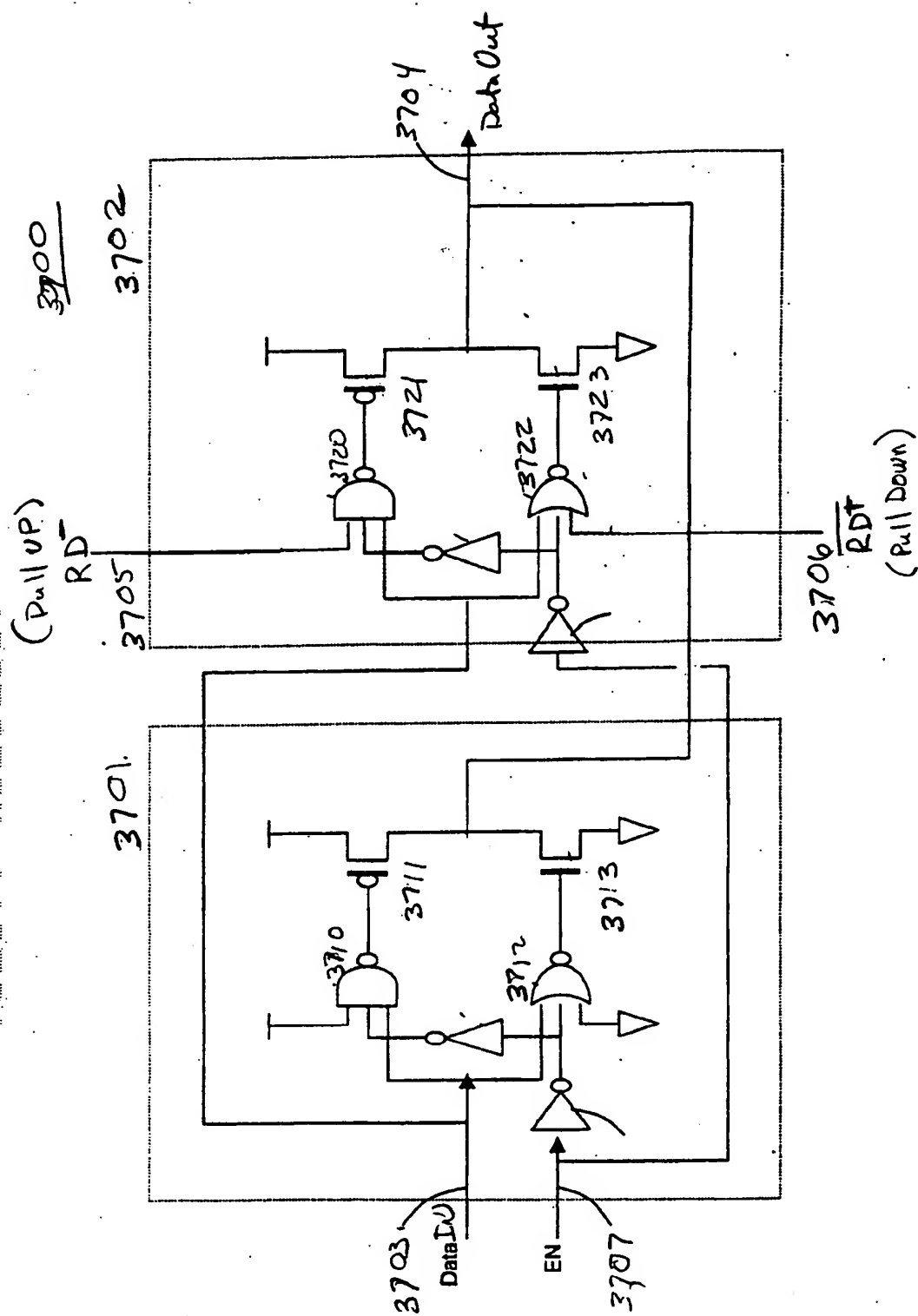
Patented

Line Driver 3700



Variable Driver
 $\begin{cases} RD^+ \wedge \overline{DataIn} = \text{pull down} \\ RD^- \wedge DataIn = \text{pull up} \end{cases}$

Fig 37A

[illegible]

Fi 37B

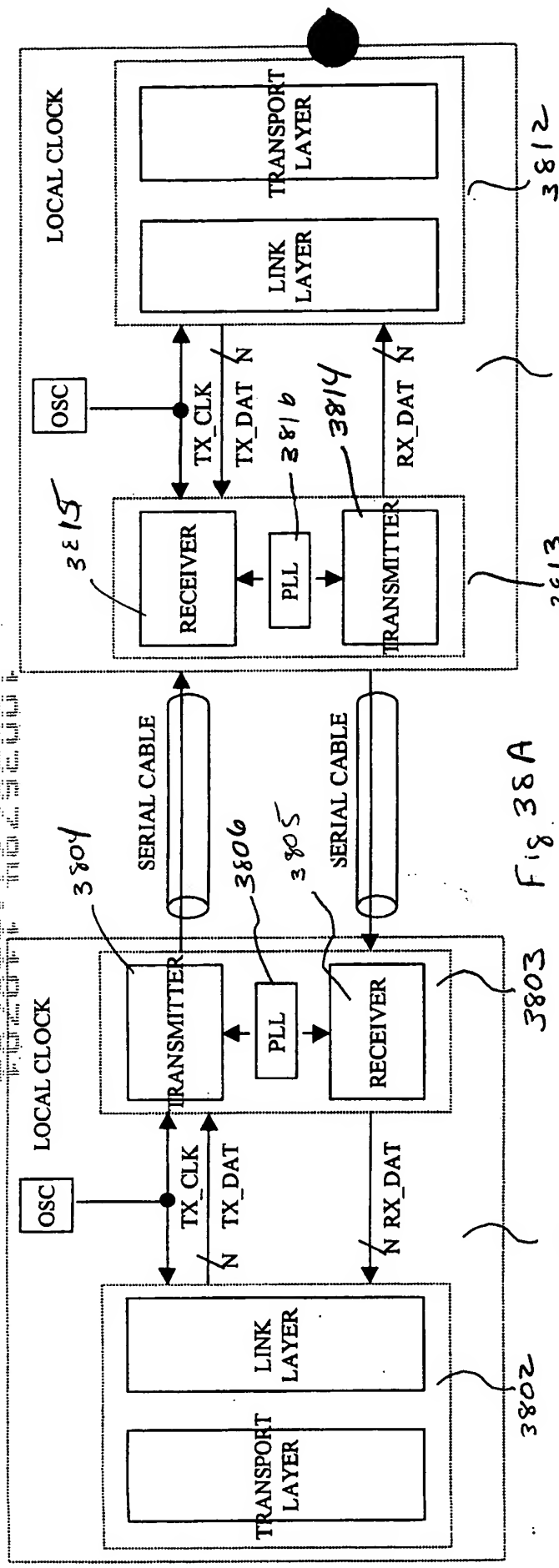


Fig 38A

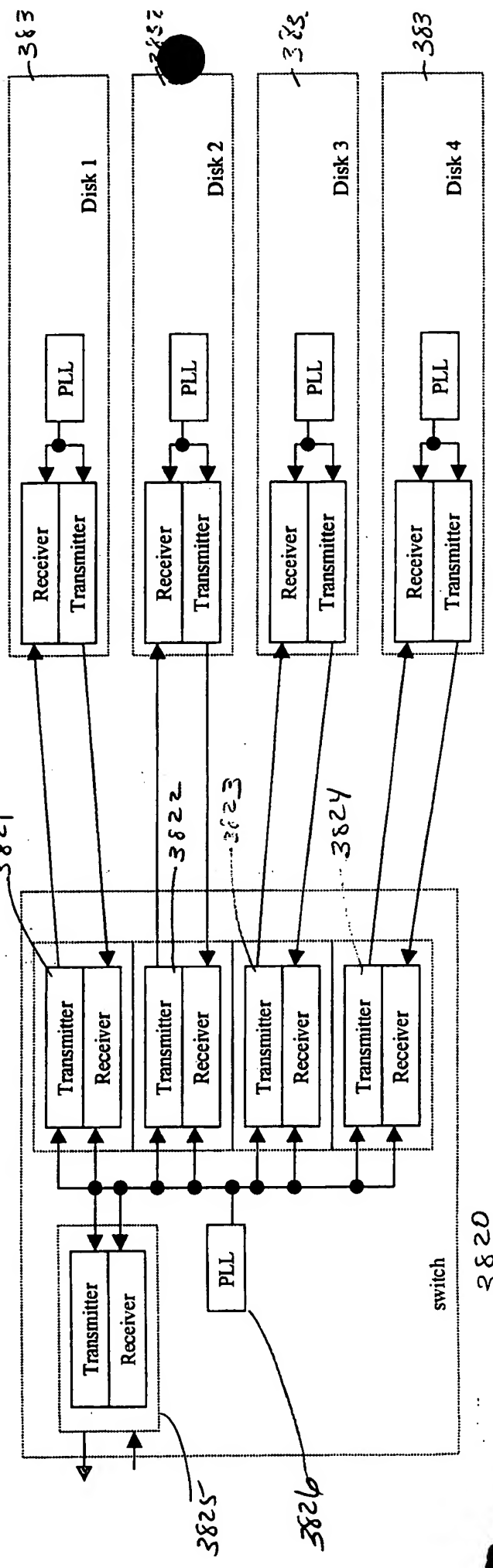


Fig 38B

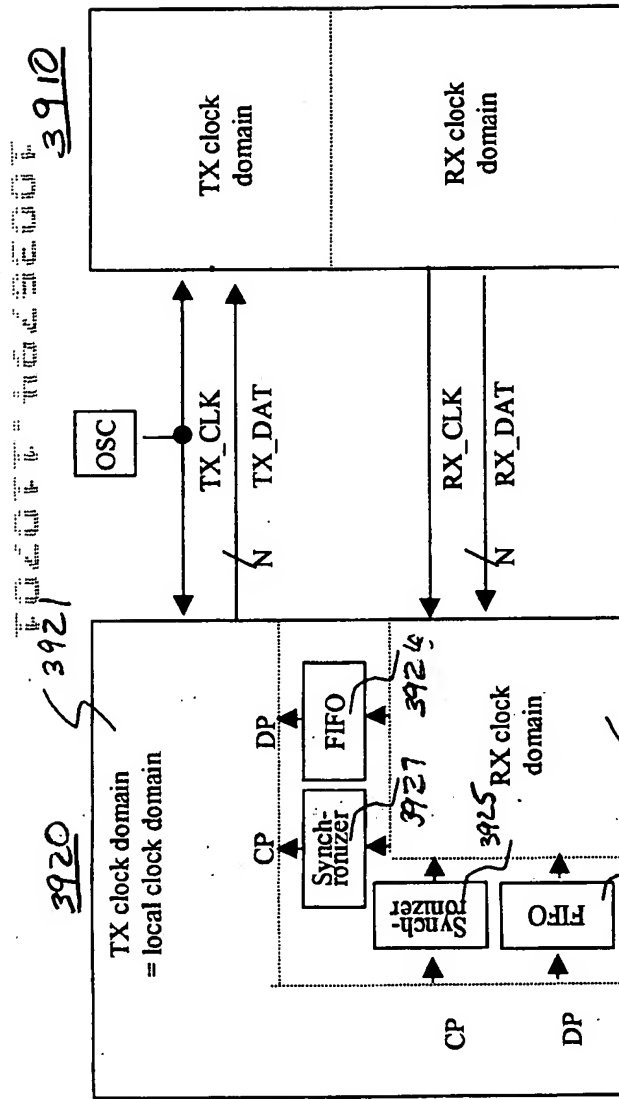


Fig 39A

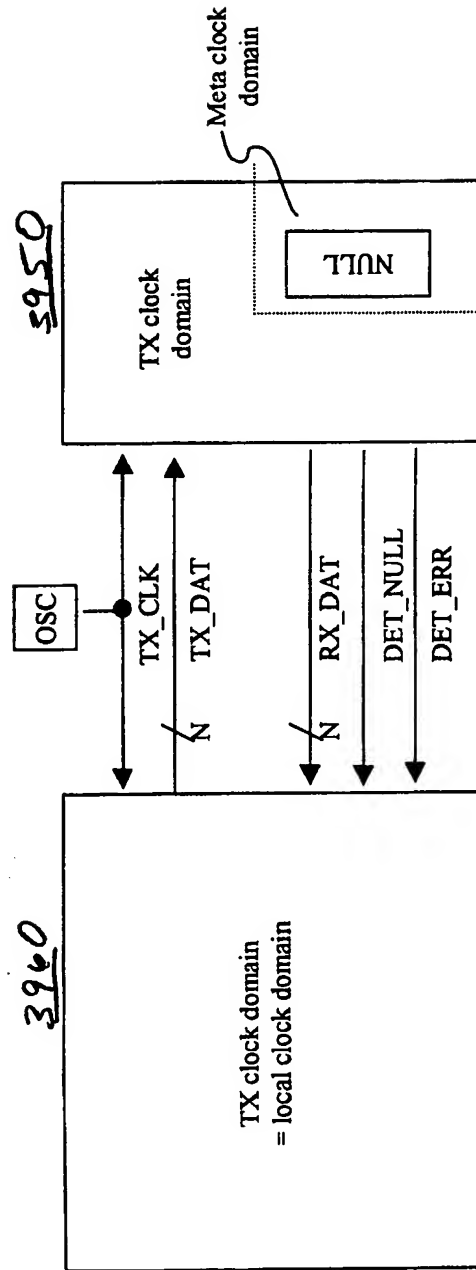


Fig 39B

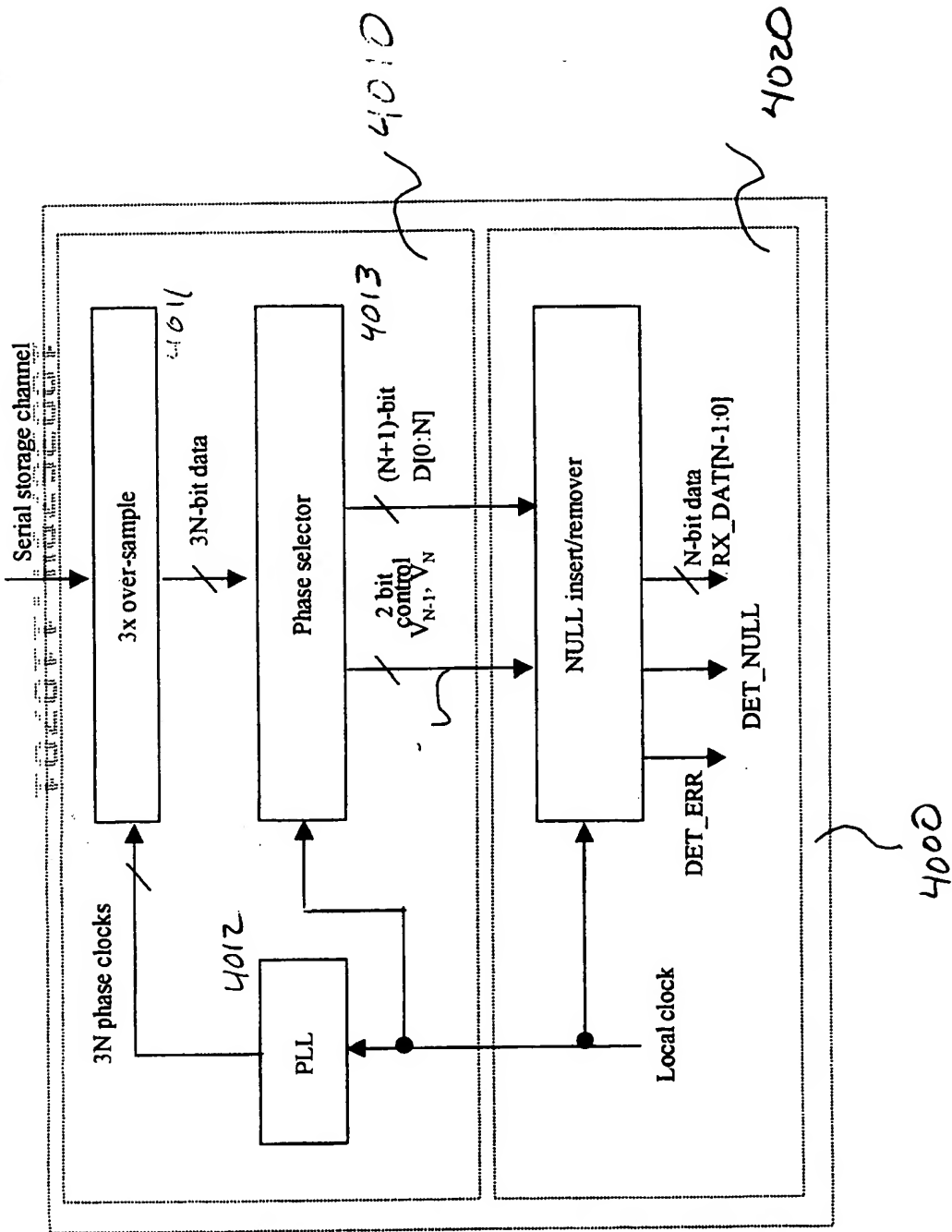


Fig 40

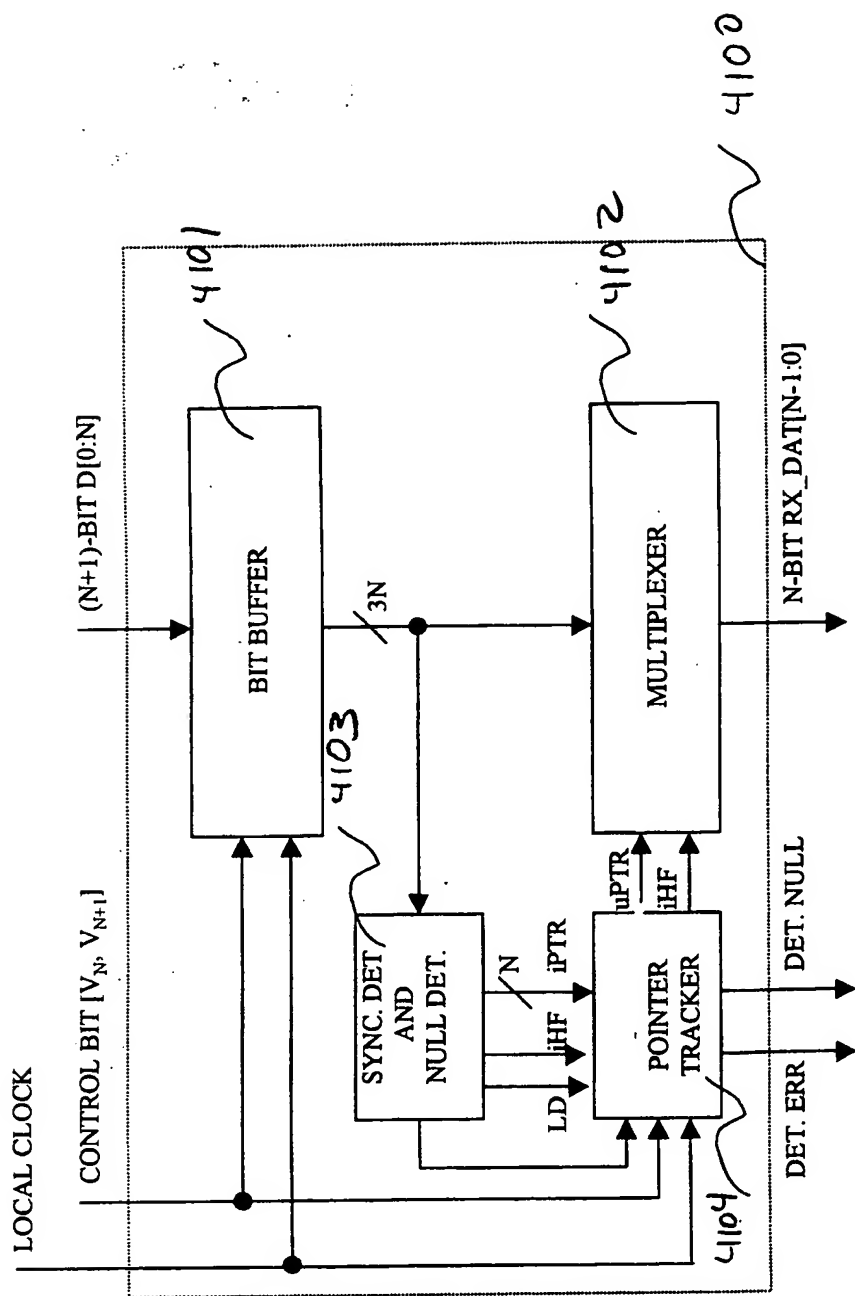


Fig 41

$$[V_{N-1}, V_N] = [1, 0]$$

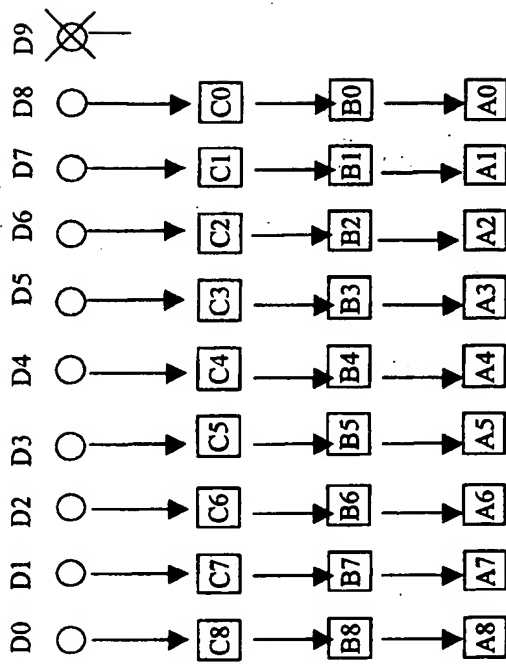


Fig 42A

FIG. 42B

$[V_{N-1}, V_N] = [0, 0]$

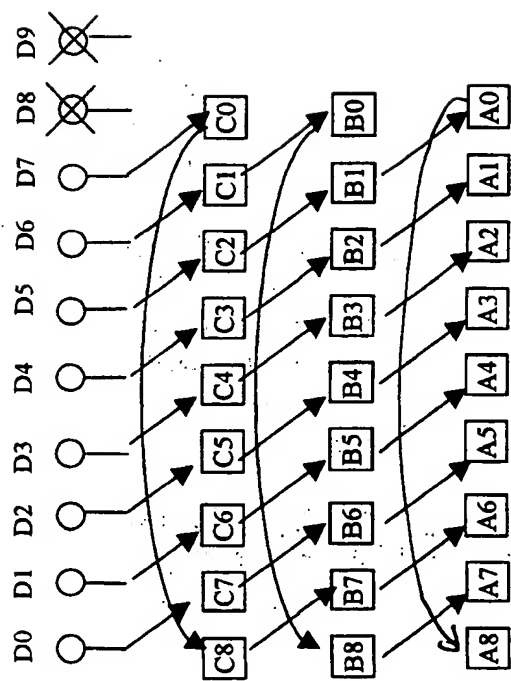


Fig 42B

FIG. 42C is a schematic diagram of a data path in a processor. The diagram shows a sequence of operations involving registers A, B, and C. The registers are labeled A0 through A8, B0 through B8, and C0 through C8. The operations are performed in a sequence of stages, with the final result being stored in register A. The diagram is labeled with the equation $[V_{N-1}, V_N] = [1, 1]$.

$$[V_{N-1}, V_N] = [1, 1]$$

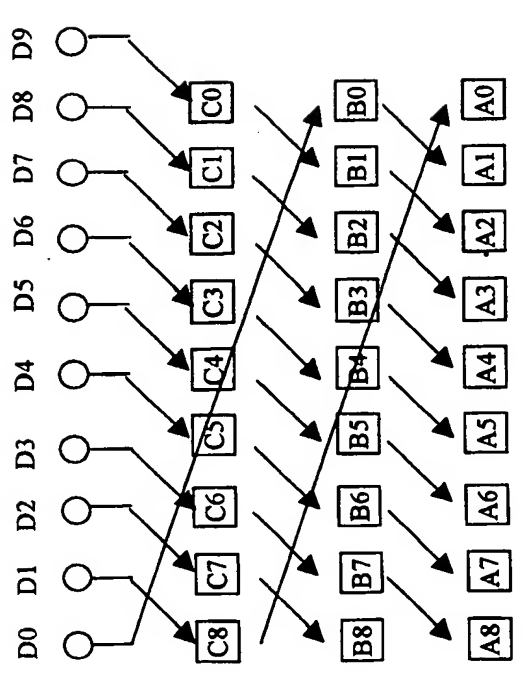
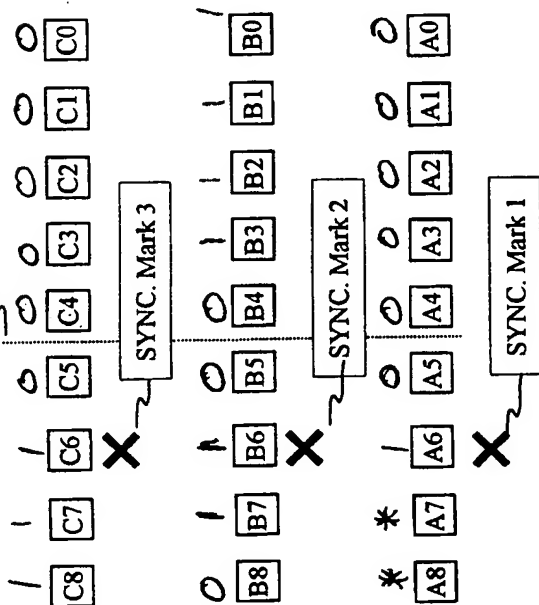


Fig 42c

LD = 1, iHF = 0, iPTR = "0010000000"

4301

Half line

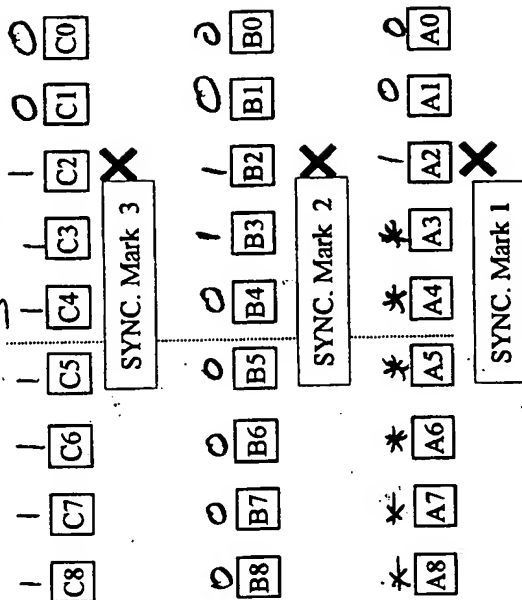


LD = 1, iHF = 0, iPTR = "0010000000"

SYNC. Mark

4302

Half line



LD = 1, iHF = 1, iPTR = "000000100"

SYNC. Mark

Fig. 43

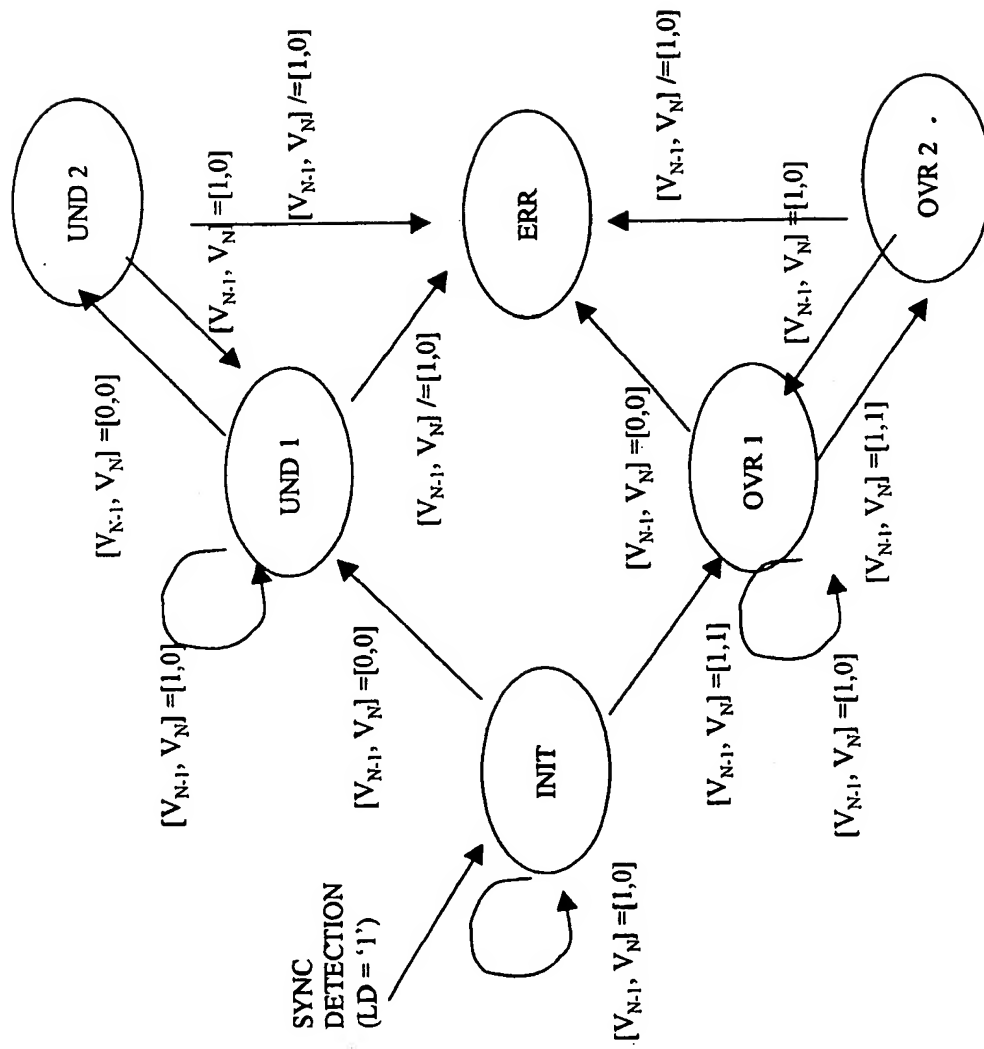


Fig 45

Figure 46 shows the sequence of events for a character pointer load. The sequence starts with a SYNC Mark, followed by a CHARACTER POINTER LOAD, and then an OVERRUN SHIFT. The sequence ends with an OVERRUN EXTEND and an ERROR.

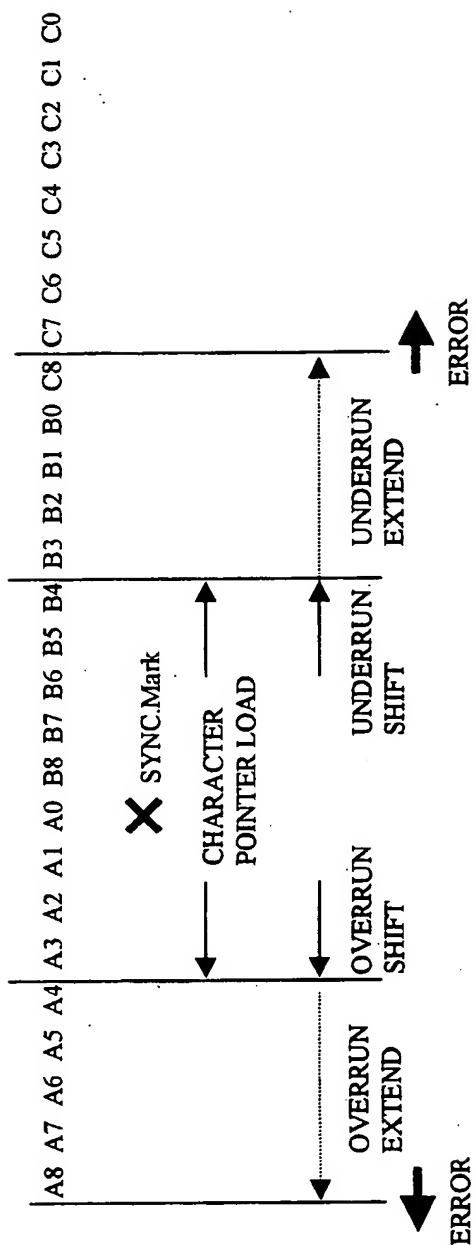


Fig 46

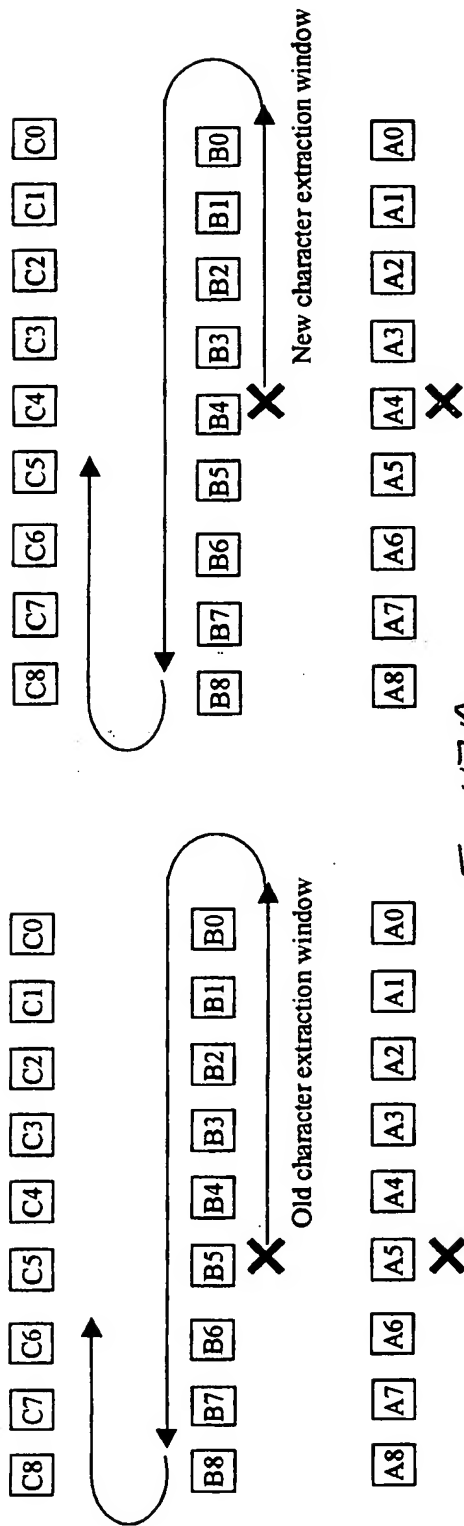


Fig 47A

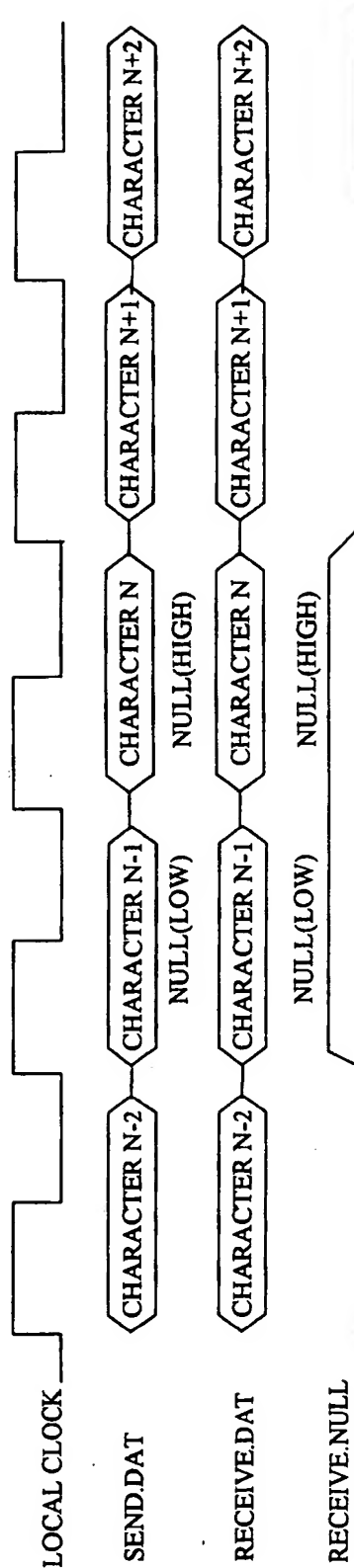


Fig 47B

FIG. 48A

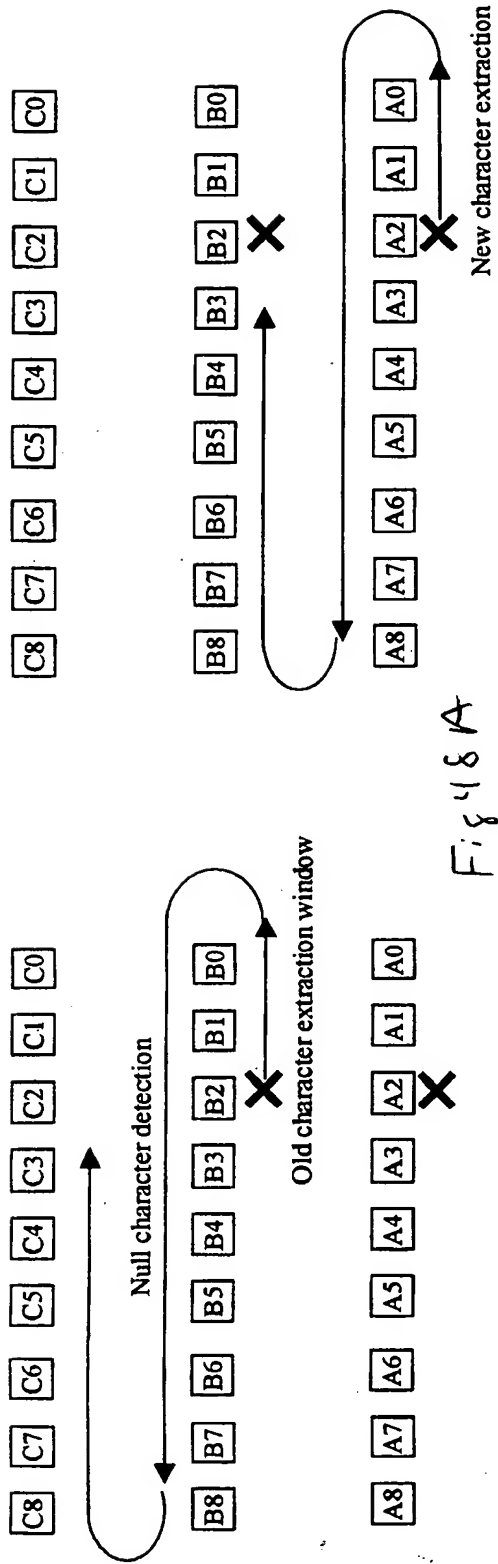


Fig 48 A

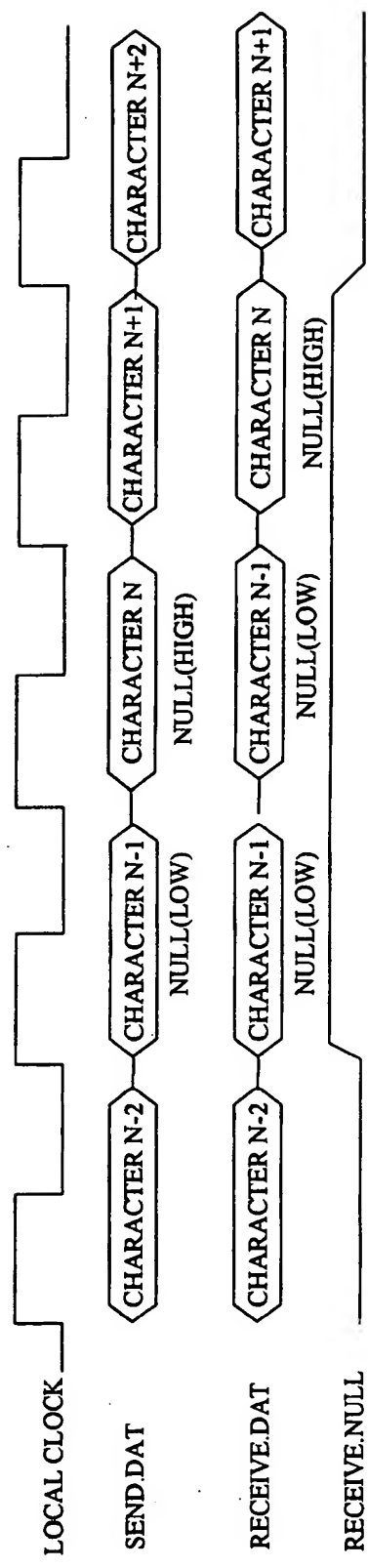
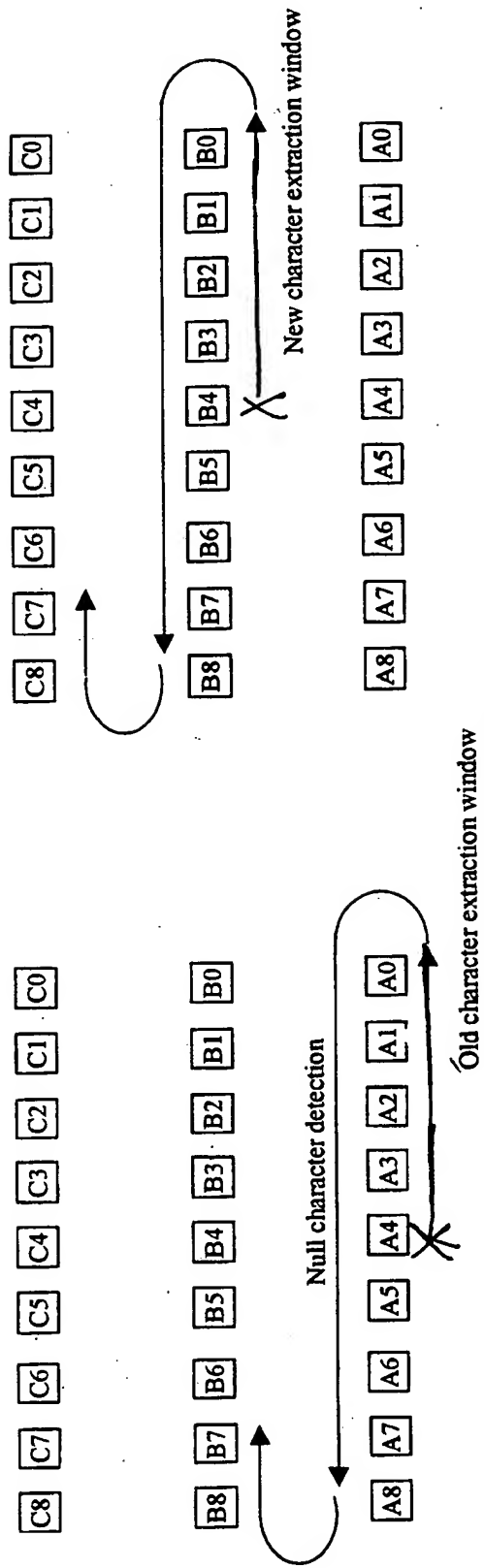


Fig 48 B



Null character detection

Fig. 49A

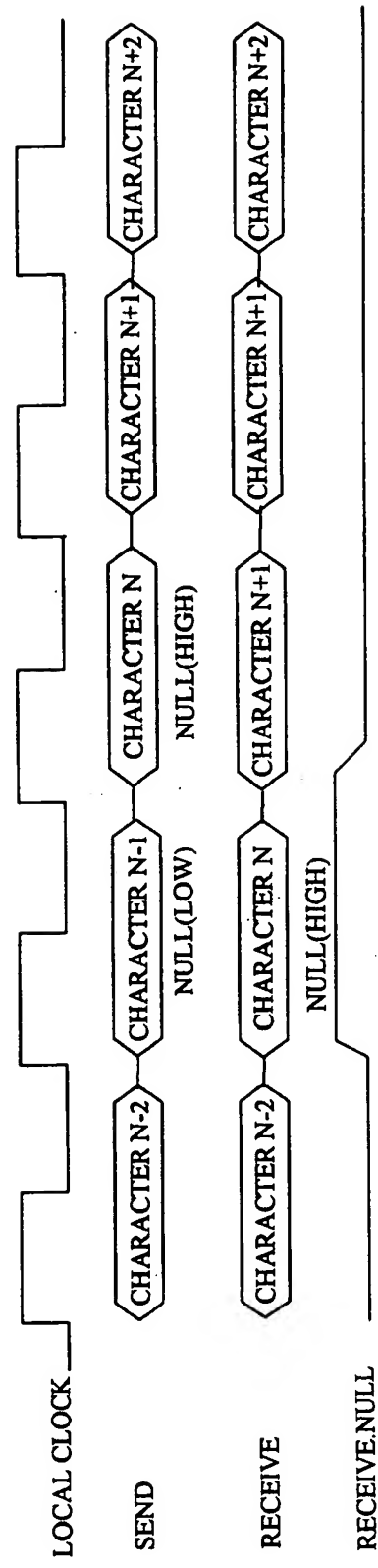


Fig 49B